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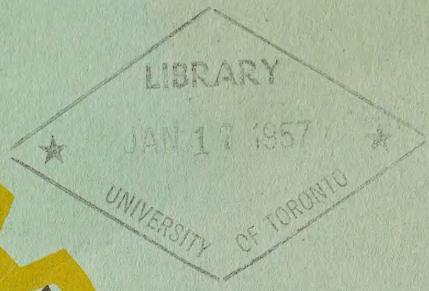




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OCCUPATIONAL HEALTH SERVICES IN INDUSTRY IN CANADA 1954

GENERAL
SERIES
MEMORANDUM
NO. 13

RESEARCH
AND STATISTICS DIVISION
DEPARTMENT OF NATIONAL
HEALTH AND WELFARE
OTTAWA JUNE, 1956

Canada. Dept. of National Health and Welfare
Research and Statistics Division

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OCCUPATIONAL HEALTH SERVICES IN INDUSTRY
IN CANADA, 1954

Published by the Authority of the Hon. Paul Martin
Minister of National Health and Welfare

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FOREWORD

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This study of some of the principal aspects of occupational health services in Canada was designed to show the number and type of establishments providing services, and the persons employed in their provision. Its scope is confined to the medical and nursing care given within the plant or through home visits by nurses, and to the number of physicians and nurses employed on these services. It does not deal with the important educational and preventive aspects of occupational health, or with hospital and medical care plans.

Certain important omissions in the types of firms surveyed are outlined in the text but it is believed that with these exceptions the study gives a more complete picture than has hitherto been available of a subject dealt with earlier in the National Health Survey of 1943, by the Canadian Medical Procurement and Assignment Board, and in 1949 by the provinces, under the Health Survey Grant of the National Health Program.

The study was carried out at the request of the Occupational Health Division of the Department of National Health and Welfare by the Research and Statistics Division, with the co-operation and assistance of the Economics and Research Branch of the Department of Labour. This report was prepared by J. A. Macdonald and C. D. Allen of the Research and Statistics Division. Helpful advice and assistance in its production was received at all times from Dr. E. A. Watkinson, Principal Medical Officer of the Department and F. J. McKendy of the Economics and Research Branch of the Department of Labour. Mr. J. Madden and Miss B. J. Stewart of the Research and Statistics Division also assisted at different times in the design of the survey and the planning of the tabulations.

Joseph W Willard
Joseph W. Willard, Director,
Research and Statistics Division.

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OCCUPATIONAL HEALTH SERVICES
IN INDUSTRY IN CANADA, 1954

I. INTRODUCTION

In the April 1954 Survey of Working Conditions an attempt was made to obtain information on certain aspects of the extent and nature of occupational health services provided to employees by Canadian industrial and business establishments. The survey was designed to obtain more comprehensive data than has hitherto been available on the number of establishments providing health care services for employees, the number of employees receiving services and the number of physicians and nurses employed in their provision. The survey did not cover preventive and educational work. The Questionnaire form used is shown as Appendix I.

A total of 12,265 establishments employing 386,177 office and 1,256,051 non-office workers were covered. For purposes of the survey an establishment was defined as a "place of business at which work is performed", so that one firm may include two or more establishments. In a few cases in the transport and other industries where an establishment was difficult to define, establishments were arbitrarily designated as such by the firm concerned.

Numbers of paid workers in different occupational groups in the labour force, compared to those covered by the survey, are shown in Table I. It will be noted that in general about 44 per cent of paid workers were covered, with considerable variation between industries.

While the survey dealt with the principal types of industrial and business firms in Canada, a number were not included. The railway systems and telegraph companies were omitted from the transport and communication group;

TABLE 1 TOTAL EMPLOYED WORKERS AND WORKERS SURVEYED, BY INDUSTRY

Industry	Employed Workers April 1954 ^(a)	Workers Covered in Survey	
		Number	Per Cent of Total Employed Workers
	000	000	
Mining.....	96	81	84.4
Manufacturing...	1,254	998	79.6
Transportation & Communication..	362	115	31.8
Public Utilities	59	39	66.1
Trade.....	612	226	36.9
Finance.....	158	63	39.9
Service.....	863	99	11.5
Other.....	363	22	6.1
All Industry	3,767	1,643	43.6

(a) Excludes persons working on their account without paid employees, employers, and unpaid family workers.

Source: Dominion Bureau of Statistics. The Labour Force, November 1945-January 1955, Reference Paper No. 58.

trust, loan, fire insurance and real estate firms from the finance group; and educational institutions, hospitals, and provincial and federal civil services from services. In logging, only coastal operations in British Columbia were covered. Firms employing less than 15 non-office workers were not included, an omission which affects primarily the trade, service and "other" groupings.(1)

Establishments surveyed were largely concentrated in three provinces. As shown in Table 2, 22.1 per cent were in Quebec, 41.3 per cent in Ontario and 11.6 per cent in British Columbia. Workers were distributed in about the same proportions. In Quebec and Ontario the larger average size of establishments was reflected in the relatively larger proportion of employees as compared to establishments.

(1) "Other" includes agriculture, forestry, trapping and construction.

Over half the establishments surveyed were in the manufacturing industries, about a quarter, the second largest group, in the trades group. Workers were concentrated as well in these two groups.

Establishments with 100-499 employees accounted for 31.6 per cent of workers surveyed, those with 1,000 or more 24.9 per cent and those with 500-999, 15.5 per cent. On the other hand, 58.1 per cent of plants each had less than 50 non-office workers and averaged 30 workers, both non-office and office combined.

Classification of plants by size was based on the number of non-office workers and the survey was not intended to include plants with less than 15 non-office workers. However many such were included since the exact number of employees in a plant could not always be ascertained in advance; questionnaire forms were not discarded for this cause as it was felt that the information they contained should be recorded. However, since not all plants with less than 15 non-office workers were included, data for this size-group are not as representative or reliable as for others.

Size of plant was based on the number of non-office workers only so that, for example, a plant with 115 workers of whom 85 were non-office workers would be in the 50-99 grouping. Plants with office workers only, included as "unclassified" plants, averaged 130 workers each.

TABLE 2 ESTABLISHMENTS AND WORKERS SURVEYED: NUMBER AND PERCENTAGE DISTRIBUTION BY PROVINCE, INDUSTRY, AND SIZE OF PLANT

	Number			Per Cent		
	Establishments	Workers		Establishment	Workers	
		Non-Of-fice	Of-fice		Non-Of-fice	Of-fice
<u>Province</u>						
Newfoundland	196	15,964	3,120	1.6	1.2	0.8
Prince Edward Island.....	39	1,316	330	0.3	0.1	0.1
Nova Scotia..	502	46,465	8,890	4.1	3.6	2.6
New Brunswick	358	24,629	5,667	2.9	1.9	1.5
Quebec.....	2,712	352,216	112,444	22.1	28.3	29.1
Ontario.....	5,075	570,517	188,506	41.3	45.6	48.7
Manitoba.....	737	54,264	17,673	6.0	4.1	4.5
Saskatchewan.	466	21,127	6,491	3.8	1.6	1.6
Alberta.....	751	49,671	15,691	6.2	4.0	4.0
British Columbia....	1,411	118,207	27,086	11.6	9.5	7.0
Yukon & N.W.T.	18	1,675	279	0.1	0.1	0.1
Canada	12,265	1,256,051	386,177	100.0	100.0	100.0
<u>Industry:</u>						
Mining.....	284	72,081	8,824	2.3	5.7	2.3
Manufacturing.....	6,684	802,536	195,805	54.5	63.9	50.7
Transportation & Communication.....	844	91,104	23,504	6.9	7.3	6.1
Public Utilities...	191	24,538	14,846	1.6	2.0	3.8
Trade.....	2,941	159,561	66,105	24.0	12.7	17.1
Finance.....	55	2,529	60,322	0.4	0.2	15.6
Services.....	1,164	83,958	14,743	9.5	6.7	3.8
Other Industries....	102	19,744	2,028	0.8	1.6	0.5
All Industries	12,265	1,256,051	386,177	100.0	100.0	100.0
<u>Size of Plant</u>						
Under 15						
Workers.....	2,576	21,321	14,319	21.0	1.7	3.7
15 - 49....	4,549	134,424	41,098	37.1	10.7	10.6
50 - 99....	2,177	152,032	38,563	17.7	12.1	10.0
100 - 499...	2,083	421,573	96,868	17.0	33.6	25.1
500 - 999...	282	194,560	60,057	2.3	15.5	15.6
1000 - and over.....	152	332,231	77,355	1.2	6.5	20.0
Unclassified.	446	-	57,937	3.0	-	15.0
All Sizes	12,265	1,256,051	386,177	100.0	100.0	100.0

II. HEALTH SERVICES PROVIDED

(a) Analysis of Services Provided

The survey revealed that in 1954 at least one of the following services was available⁽¹⁾ to nearly 900,000 persons and all of the first four to almost 340,000⁽¹⁾:

- emergency care in establishment for occupational accident or illness,
- emergency care in establishment for non-occupational accident or illness,
- pre-placement medical examination,
- periodic medical examination,
- home visits by nurse,
- services of full or part-time physician or nurse.

Table 3 sets out the numbers of establishments and workers surveyed, those receiving at least one service, and those receiving all of the first four services specified above, Tables 3A, 3B, and 3C show the numbers receiving at least one service and those receiving all of four specified services, by province, industry, and size of establishment, respectively.

It was intended that the availability of any of the first five services listed above would be indicated only when provided by either full-time or part-time physicians or nurses. However, some establishments reporting services employed no doctor or nurse so that services were provided by persons on call. This point is referred to in more detail in Part III.

(1) When a plant or establishment reported that a particular service was in existence it is assumed all workers in the plant could take advantage of that service i.e. that it was not restricted to certain classes or groups of workers.

TABLE 3 COVERAGE AND EXTENT OF SERVICES PROVIDED

Services Provided	Establishments	Workers		
		Non-Office	Office	Total
Number				
Survey Coverage	12,265	1,256,051	386,177	1,642,228
At least one Service (a)	2,099	679,275	218,404	897,679
Four Specified Services (b)	454	261,166	76,532	337,698
No Services	10,166	576,776	167,773	744,549
Per Cent				
At least one Service	17.1	54.1	56.6	54.7
Four Specified Services	3.7	20.8	19.8	20.6
No Services	82.9	45.9	43.4	45.3

(a) At least one of: emergency care in establishment for occupational accident or illness; emergency care in establishment for non-occupational accident or illness; pre-placement medical examination; periodic medical examination; home visits by nurse; services of full- or part-time physician or nurse.

(b) The first four services listed in footnote (a) were provided in each of the establishments, and for the workers, shown in this line. These establishments and workers are of course included in the figures in the previous line.

Source: Tables 2 and 3A.

It will be noted that some measure of medical service was available in 17.1 per cent of the establishments surveyed and to 54.1 per cent of non-office workers and 56.6 per cent of office workers. Eighty-three per cent of establishments provided none of the services listed in their 745,000 employees, 45.3 per cent of those surveyed.

Plants Providing at Least One Service. From Table 3A it will be found that provision of at least one of the specified services was most common in establishments in Quebec (25.4 per cent), the Yukon and Northwest Territories (22.2 per cent) and Ontario (18.2 per cent). It was least common in Prince Edward Island (2.6 per cent), Saskatchewan (6.6 per cent) and Newfoundland (8.7 per cent).

The proportion of surveyed workers provided with some services was highest in Quebec, Ontario, the Yukon and Northwest Territories, and Newfoundland, lowest in Prince Edward Island and Saskatchewan.

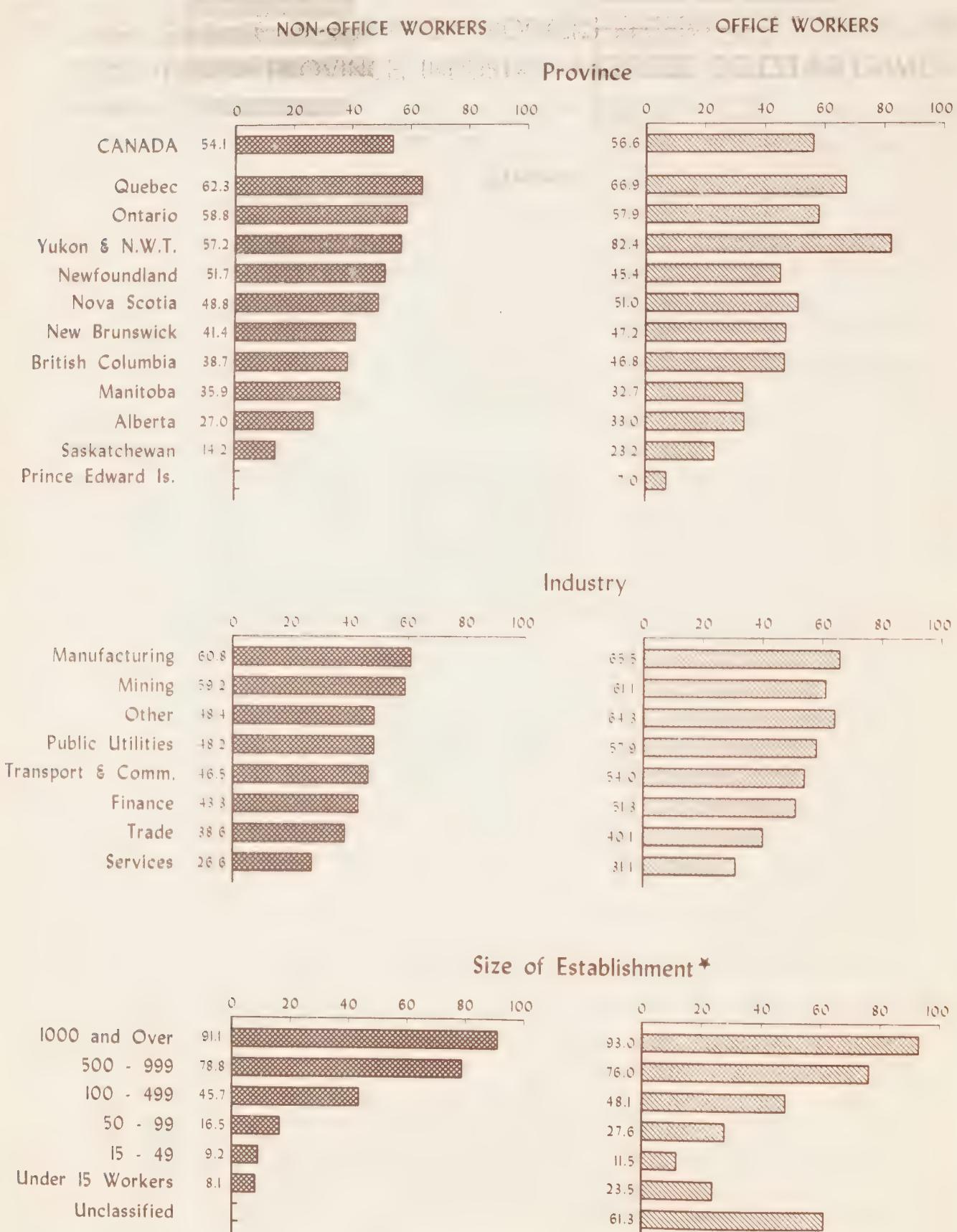
The proportion of employees which received at least one service varied by industry, as shown in Table 3B, between 45 and 60 per cent, except for manufacturing (61.7 per cent), trade (39.1 per cent) and services (27.3 per cent).

The proportion of workers receiving at least one service increased steadily with increase in size of establishment (Table 3C), ranging from 9.7 per cent for the 15-49 group to 91.5 per cent in the 1,000 and over group. Plants employing less than 15 employees were not all surveyed; those that were reported a percentage of 23.5. In the unclassified group 61.3 per cent of employees received at least one service.

Chart 1 compares by province, industry, and size of establishment the percentage of non-office and office workers receiving at least one service.

The extent to which at least one service was provided in the manufacturing industry was analyzed, within each region, according to the size of the establishment.

CHART I. PERCENTAGE OF SURVEYED WORKERS RECEIVING AT LEAST ONE SERVICE: BY PROVINCE, INDUSTRY, AND SIZE OF ESTABLISHMENT, 1954



* Size as Determined by Number of Non-Office Workers

Table 3D shows the number of establishments and workers in the manufacturing industry in each region, classified by size of establishment. Establishments and workers in receipt of at least one medical service as shown in absolute terms and also as percentage of those surveyed. Nearly 5,000 of the 6,684 plants each had less than 100 non-office workers but the remaining 1,700 large plants employed most of the workers in the industry.

Provision of at least one service in the manufacturing industry increased steadily with increase in the size of plant from 9.2 per cent in the less than 15 workers class to 100.0 per cent for establishments with 1,000 or more workers. A similar steady increase held true for all regions, with the exception of the smaller establishments in Quebec. In all regions except British Columbia, plants with 500 to 999 non-office workers provided some service to 85 per cent or more of the employee surveyed; all plants with 1,000 or more workers in all regions made available at least some services.

In the manufacturing industry the provision of at least one service for all sizes of plant was the most common in Quebec and Ontario and in each of these two provinces between 65 and 70 per cent of workers received at least one service. These same two provinces also gave the highest figures for each of the three largest groups of plants.

Plants Providing Four Specified Services. All four specified services - emergency care in establishment for occupational accident or illness, emergency care in establishment for non-occupational accident or illness, pre-placement medical examination, and periodic medical examination - were available in only 454 plants (3.7 per cent) for 261,166 non-office employees (20.8 per cent) and 76,532 office employees (19.8 per cent), or about one-fifth of those surveyed. (Table 3).

While most workers receiving all four services were employed in Ontario and Quebec these provinces followed the Yukon and Northwest Territories (27.1 per cent) and Newfoundland (26.4 per cent) in the proportion which received all four. (Table 3A).

The proportion of employees in establishments providing all four specified services showed considerable variation between industries as can be seen in Table 3B. In mining, manufacturing, transportation and communication and public utilities the per cent of non-office workers varied between 24 and 30, while in the other four industries the highest figure was 8.6. The grouping of industries was the same for office workers with their coverage being higher than for non-office workers, except in the manufacturing group.

As with provision of at least one service, coverage for all four services increased directly with increase in the size of the plant. (Table 3C).

Table 3E analyzes the provision of the four specified services within the manufacturing industry, cross classified by region and size of establishment.

It will be noted that all four services were provided in only 54 of the almost 5,000 establishments with less than 100 non-office workers and that coverage increased steadily with the size of the establishment from 1.2 per cent at the 15-49 worker level to 51.5 per cent for those with 1,000 or more non-office workers. This increase was also evident in each region as establishments increased in size, except for the Atlantic region where plants with from 500 to 999 non-office workers showed the highest figure, about 60 per cent.

Of workers in the manufacturing industry those in Quebec and Ontario most often received all four services (about 26 per cent) followed by the Atlantic region (18 per cent) and the prairie provinces (11 per cent). This order is not followed, however, when the various sizes of plants are considered separately. In those with from 100 to 499 non-office workers the Atlantic region had the highest figure, followed by Ontario, Quebec, the prairie provinces and British Columbia in that order. For those plants with from 500 to 999 non-office workers the Atlantic region is followed by the Prairies, Quebec, Ontario and British Columbia. In the largest plants the prairie provinces lead, followed by Ontario, Quebec, British Columbia and the Atlantic region. These variations in the regional order may reflect the fact that, compared to Ontario and Quebec, the numbers of establishments surveyed in the other regions, as well as the number providing all four services, were not large. For example, in the prairie provinces the one plant with 1,000 or more non-office workers which was surveyed provided all four services giving a percentage figure of 100 for that region. On the other hand there were 26 establishments in Ontario providing all four services but these constituted only 54.2 per cent of the 48 plants surveyed.

TABLE 3A PROVISION OF AT LEAST ONE SERVICE AND OF ALL FOUR SPECIFIED SERVICES, BY PROVINCE

Province	At Least one Service (a)			All Four Specified Services (b)		
	Establishments	Workers		Establishments	Workers	
		Non- Office	Of- fice		Non- Office	Of- fice
Number						
Newfoundland	17	8,253	1,418	5	4,205	832
Prince Edward Island.....	1	-	23	-	-	-
Nova Scotia.....	46	22,691	4,533	11	3,237	525
New Brunswick.....	43	10,201	2,672	9	3,321	731
Quebec.....	690	219,601	75,227	144	78,873	20,775
Ontario.....	922	335,880	109,176	223	145,604	47,229
Manitoba.....	78	19,478	5,771	17	7,242	1,409
Saskatchewan.....	31	3,004	1,505	6	817	392
Alberta.....	78	13,430	5,180	12	2,373	940
British Columbia..	189	45,779	12,669	25	14,047	3,617
Yukon & N.W.T. ...	4	958	230	2	447	82
Canada	2,099	679,275	218,404	454	261,166	76,532
Per Cent						
Newfoundland	8.7	51.7	45.4	2.6	26.3	26.7
Prince Edward Island.....	2.6	-	7.0	-	-	-
Nova Scotia.....	9.2	48.8	51.0	2.2	7.0	5.9
New Brunswick.....	12.0	41.4	47.2	2.5	13.5	12.9
Quebec.....	25.4	62.3	66.9	5.3	22.4	18.5
Ontario.....	18.2	58.8	57.9	4.4	25.5	25.1
Manitoba.....	10.6	35.9	32.7	2.3	13.3	8.0
Saskatchewan.....	6.6	14.2	23.2	1.3	3.9	6.0
Alberta.....	10.4	27.0	33.0	1.6	4.8	6.0
British Columbia..	13.4	38.7	46.8	1.8	11.9	13.4
Yukon & N.W.T. ...	22.2	57.2	82.4	11.1	26.7	29.4
Canada	17.1	54.1	56.6	3.7	20.8	19.8

(a) At least one of: emergency care in establishment, for occupational accident or illness; emergency care in establishment, for non-occupational accident or illness; pre-placement medical examination; periodic medical examination; home visits by nurse; services of full-or part-time physician or nurse.

(b) The first four services listed in footnote (a) were provided in each of the establishments, and for the workers shown in these columns. These establishments and workers are of course included under "at least one service".

TABLE 3B PROVISION OF AT LEAST ONE SERVICE AND OF ALL FOUR SPECIFIED SERVICES, BY INDUSTRY

Industry	At Least One Service (a)			All Specified Services (b)		
	Workers		Establishments	Workers		Establishments
	Establishments	Non-Office		Establishments	Non-Office	
Number						
Mining.....	81	42,678	5,393	29	21,073	2,477
Manufacturing.....	1,389	487,766	128,325	318	193,350	47,974
Transportation & Communication...	112	42,378	12,701	31	26,209	8,771
Public Utilities..	56	11,831	8,602	17	6,453	6,003
Trade.....	308	61,646	26,528	38	9,014	4,001
Finance.....	19	1,096	30,970	10	106	5,833
Services.....	112	22,331	4,580	10	3,255	1,109
Other.....	22	9,549	1,305	1	1,706	364
All Industries	2,099	679,275	218,404	454	261,166	76,532
Per Cent						
Mining.....	28.5	59.2	61.1	10.2	29.2	28.1
Manufacturing.....	20.8	60.8	65.5	4.8	24.1	24.5
Transportation & Communication...	13.3	46.5	54.0	3.7	28.8	37.3
Public Utilities..	29.3	48.2	57.9	8.9	26.3	40.4
Trade.....	10.5	38.6	40.1	1.3	5.6	6.1
Finance.....	34.5	43.3	51.3	18.2	4.2	9.7
Services.....	9.6	26.6	31.1	0.86	3.9	7.5
Other.....	21.6	48.4	64.3	1.0	8.6	17.9
All Industries	17.1	54.1	56.6	3.7	20.8	19.8

(a) At least one of: emergency care in establishment, for occupational accident or illness; emergency care in establishment, for non-occupational accident or illness; pre-placement medical examination; periodic medical examination; home visits by nurse; services of full- or part-time physician or nurse.

(b) The first four services listed in footnote (a) were provided in each of the establishments, and for the workers shown in these columns. These establishments and workers are of course included under "at least one service".

TABLE 3C PROVISION OF AT LEAST ONE SERVICE AND OF ALL FOUR SPECIFIED SERVICES, BY SIZE OF ESTABLISHMENT

Size of Establishment	At Least One Service (a)			All Specified Services (b)		
	Establishments	Workers		Establishments	Workers	
		Non-Of-fice	Of-fice		Non-Of-fice	Of-fice
Number						
Under 15 Workers...	178	1,729	3,369	16	112	659
15 - 49	377	14,376	4,737	33	1,173	392
50 - 99	45	2,119	10,645	50	3,872	2,361
100 - 499	151	164,689	46,564	182	48,679	13,606
500 - 999	21	153,432	45,648	87	60,286	13,295
1000 and over....	12	302,723	71,932	61	147,044	33,772
Unclassified.....	38	-	35,509	25	-	12,447
All Sizes	2,193	79,273	218,404	454	261,166	76,532
Per Cent.						
Under 15 Workers...	5.9	8.1	23.8	0.62	0.53	4.6
15 - 49	3.2	3.2	1.7	0.13	0.87	0.95
50 - 99	15.6	15.5	37.0	2.3	2.5	6.1
100 - 499	36.7	32.7	43.1	8.7	11.5	14.0
500 - 999	75.1	73.8	76.0	0.8	31.0	22.1
1000 and over....	97.7	91.1	91.6	40.1	44.2	43.7
Unclassified.....	7.1	-	31.3	5.6	-	21.5
All Sizes	17.7	14.1	56.6	1.7	20.8	19.8

(a) At least one of: emergency care in establishment, for occupational accident or illness; emergency care in establishment, for non-occupational accident or illness; pre-placement medical examination; periodic medical examination; home visits by nurse; services of full- or part-time physician or nurse.

(b) The first four services listed in footnote (a) were provided in each of the establishments, and for the workers shown in these columns. These establishments and workers are of course included under "at least one service".

TABLE 3D SURVEY COVERAGE AND PROVISION OF AT LEAST ONE SERVICE, MANUFACTURING INDUSTRY: BY REGION AND SIZE OF ESTABLISHMENT

Survey Coverage: Establishments	Size of Establishment (By Number of Non-Office Workers)												Percent of Establishments and Workers Surveyed													
	Under 15 Workers				15 to 19 Workers				20 to 99 Workers				100 to 199 Workers				500 to 999 Workers				1,000 and over Workers					
	Establishments	Non-Office	Office	Workers	Establishments	Non-Office	Office	Workers	Establishments	Non-Office	Office	Workers	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office		
Survey Coverage:																										
Atlantic Region	116	936	269	211	6,211	1,011	81	5,666	870	58	1,030	1,832	5	3,316	571	7	12,831	2,712	5	563	483	42,013	7,858			
Quebec	169	1,119	1,087	631	20,502	4,961	122	29,937	5,185	113	82,871	15,128	75	52,563	9,775	34	65,360	14,265	42	6,205	1,786	25,695	56,609			
Ontario	309	2,825	1,187	1,099	33,577	9,230	605	15,581	11,365	730	150,013	36,763	87	57,210	11,548	48	115,448	29,234	38	6,064	2,956	105,651	108,691			
Prairies	184	1,402	525	311	10,026	2,214	117	10,223	2,253	112	20,093	5,327	6	4,055	961	1	1,075	107	6	235	797	16,831	11,652			
British Columbia	128	1,158	362	283	8,682	1,519	128	8,897	1,532	95	19,662	3,629	15	11,197	1,103	14	6,671	2,250	7	590	660	56,267	10,985			
Yukon and N.W.T.	1	12	4	—	—	1	61	6	—	—	—	—	—	—	—	—	—	—	—	—	—	2	73	10		
Canada	907	7,802	3,731	2,565	79,001	18,998	1,124	100,395	21,211	1,108	285,672	62,679	188	128,371	26,928	94	201,385	48,568	98	**	13,657	6,684	802,526	195,805		
Number Reporting Some Measure of Medical Services:																										
Atlantic Region	4	31	6	11	365	77	8	601	35	19	5,372	851	5	3,316	571	7	12,831	2,712	2	512	56	22,519	11,761			
Quebec	26	215	131	82	2,910	809	78	5,711	1,354	167	11,881	9,472	70	19,281	9,444	31	65,360	14,265	11	4,492	471	165,134	40,267			
Ontario	12	115	33	80	2,575	917	107	8,034	2,793	310	30,956	23,517	82	51,792	11,316	48	115,448	29,234	10	3,217	679	261,920	71,057			
Prairies	9	62	28	21	652	125	16	1,121	250	10	9,838	3,089	5	3,170	911	1	1,075	107	—	—	92	16,218	11,510			
British Columbia	8	79	28	15	969	75	26	1,908	126	29	6,579	1,316	7	5,378	1,176	4	6,671	2,250	1	—	150	90	21,581	4,721		
Yukon and N.W.T.	—	—	—	—	—	—	—	—	—	1	61	6	—	—	—	—	—	—	—	—	—	1	61	6		
Canada	59	532	256	209	7,471	2,003	236	17,469	1,861	595	119,629	38,205	169	116,280	25,718	94	201,385	48,568	98	27	—	8,371	1,389	187,766	128,235	
Percent of Establishments and Workers Surveyed																										
Atlantic Region	3.4	3.1	2.2	5.2	5.9	7.4	9.9	10.8	11.0	11.2	16.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	11.6	53.7	60.6	
Quebec	15.1	17.3	39.7	13.0	16.3	18.2	19.2	19.5	26.1	10.1	50.5	62.6	93.3	93.7	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	72.4	26.1	65.5	71.1
Ontario	3.9	1.1	2.2	7.3	7.7	9.9	16.6	17.6	21.6	16.6	51.0	61.0	91.3	95.8	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	53.1	—	23.0	68.1
Prairies	11.9	1.1	5.3	6.2	6.5	10.9	11.0	11.1	35.7	19.0	20.3	83.3	86.1	91.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	—	—	11.5	38.7
British Columbia	6.2	6.8	7.7	5.3	11.2	11.2	11.2	20.3	21.1	27.8	33.5	36.3	46.7	18.0	13.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	25.1	13.6	38.1	13.0
Yukon and N.W.T.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50.0	83.6	60.0
Canada	6.5	6.8	11.1	8.1	9.5	10.5	16.6	17.1	22.9	50.6	42.3	61.0	90.0	90.6	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	27.6	—	61.3	20.8

TABLE 32 SURVEY COVERAGE AND PROVISION OF FOUR SPECIFIED SERVICES, MANUFACTURING INDUSTRY: BY REGION AND BY SIZE OF ESTABLISHMENT

Survey Coverage	Size of Establishment, By Number of Non-Office Workers												All Sizes														
	Under 15 Workers						15 to 19						20 to 29						50 to 99								
	Establishments	Office	Establishments	Office	Establishments	Office	Establishments	Office	Establishments	Office	Establishments	Office	Establishments	Office	Establishments	Office	Establishments	Office	Establishments	Office	Establishments	Office	Establishments	Office			
Number Reporting Four Specified Services																											
Atlantic Region	-	-	-	-	-	-	-	-	1	72	-	-	9	3,971	1,62	3	1,963	351	2	2,803	176	1	-	125	16		
Quebec	-	-	-	-	-	-	-	-	5	392	93	10	10,935	2,881	29	21,168	3,330	15	28,788	7,048	4	-	2,129	103			
Ontario	-	-	-	-	-	-	-	-	15	480	123	16	1,298	130	81	21,786	6,910	30	19,253	4,625	26	69,653	15,130				
Prairies	1	2	5	2	18	1	1	-	-	-	-	-	11	1,188	586	3	2,106	152	1	1,075	107	-	-	19	5,195		
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	2	189	16	2	561	155	2	2,441	865	-	-	-	1,162		
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-	-	1	61	6	-	-	-	-	-	-	-	-	7	5,011		
Canada	1	2	5	22	920	217	31	2,521	813	1,123	28,51	11,021	67	11,610	9,051	15	10,1760	23,926	9	-	2,905	318	193,350	47,971			
Percent of Establishments and Workers Surveyed																											
Percent Reporting Four Specified Services:	-	-	-	-	-	-	-	-	1.2	1.3	-	-	15.5	23.6	25.2	60.0	58.7	61.5	28.6	21.8	17.6	20.0	-	22.2	3.3		
Atlantic Region	-	-	-	-	-	-	-	-	0.79	1.9	2.0	2.7	6.8	9.7	13.2	19.0	38.7	40.8	34.1	11.1	11.0	9.5	-	34.3	18.8		
Quebec	-	-	-	-	-	-	-	-	1.0	1.3	2.0	2.8	3.8	11.1	11.5	18.9	31.5	33.7	51.8	54.2	60.3	52.8	-	10.7	5.8	28.0	
Ontario	-	-	-	-	-	-	-	-	0.59	0.48	0.01	0.68	0.71	0.19	9.8	10.9	11.0	50.0	52.5	47.0	100.0	100.0	-	-	11.7	5.8	25.9
Prairies	0.51	0.11	0.95	-	-	-	-	-	1.6	2.1	3.0	2.1	2.9	1.3	13.3	16.3	26.8	25.0	36.6	38.4	-	-	-	2.4	11.7	19.0	
British Columbia	-	-	-	-	-	-	-	-	-	-	-	-	100.0	100.0	100.0	-	-	-	-	-	-	-	-	1.1	8.9	12.4	
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.0	83.6	60.0	
Canada	0.11	0.03	0.13	0.56	1.2	1.1	2.2	2.5	1.0	10.2	11.6	13.5	17.6	35.6	33.6	117.9	52.0	19.3	9.2	-	21.3	4.8	24.1	21.5			

(b) Analysis of Specific Services

Of the first five specific services reviewed the most commonly provided was emergency care in the establishment for occupational accident or illness, the least frequent was home visits by nurses. Table 4 shows the number of establishments and employees for which each service was available.

TABLE 4 ESTABLISHMENTS AND WORKERS WITH SPECIFIC SERVICES, BY SERVICE.

Service	Establishments	Workers		
		Non-Office	Office	Total
Number				
Emergency care in establishment for Occupational Accident or Illness.....	1,687	626,875	202,406	829,281
Emergency care in establishment for Non-Occupational Accident or Illness.....	1,222	532,974	181,271	714,245
Pre-Placement Medical Examination.....	1,165	487,631	160,587	648,218
Periodic Medical Examination	732	326,475	92,988	419,463
Home Visits by Nurse.....	467	236,037	87,633	323,670
Per Cent				
Emergency care in establishment for Occupational Accident or Illness.....	13.8	49.9	52.4	50.5
Emergency care in establishment for Non-Occupational Accident or Illness.....	10.0	42.4	46.9	43.5
Pre-Placement Medical Examination.....	9.5	38.8	41.6	39.5
Periodic Medical Examination	6.0	26.0	24.1	25.5
Home Visits by Nurse.....	3.8	18.8	22.7	19.7

Table 3 shows that 54.7 per cent of the workers or 897,679 persons received at least one service. Included in this figure are the 829,281 who received emergency care in establishment for occupational illness or accident (Table 4) and the 648,218 persons who received pre-placement medical examination, a total of 1,477,499 or more than the 897,679 persons. It follows that many persons, at least 1,477,499 less 897,679 or 579,820, received both types of care. Similarly, there is evident duplication between other factors in Table 4.

Tables 4A, 4B, and 4C set out the detail of Table 4 by province, industry, and size of plant respectively.

Emergency Care in Establishment for Occupational Accident or Illness. Most of the 830,000 workers in 1,687 plants in which this service was provided were located in Ontario and Quebec, with between 55 and 60 per cent coverages in each province (Table 4A). Newfoundland with almost 49.4 per cent and the Yukon and Northwest Territories with 47.8 per cent followed closely. In all other provinces less than 36 per cent of non-office workers were covered. No employees were protected in Prince Edward Island; in Saskatchewan only 11.9 per cent of non-office workers and 20.4 per cent of office workers and in Alberta 20.2 per cent of both types of workers were provided with this service.

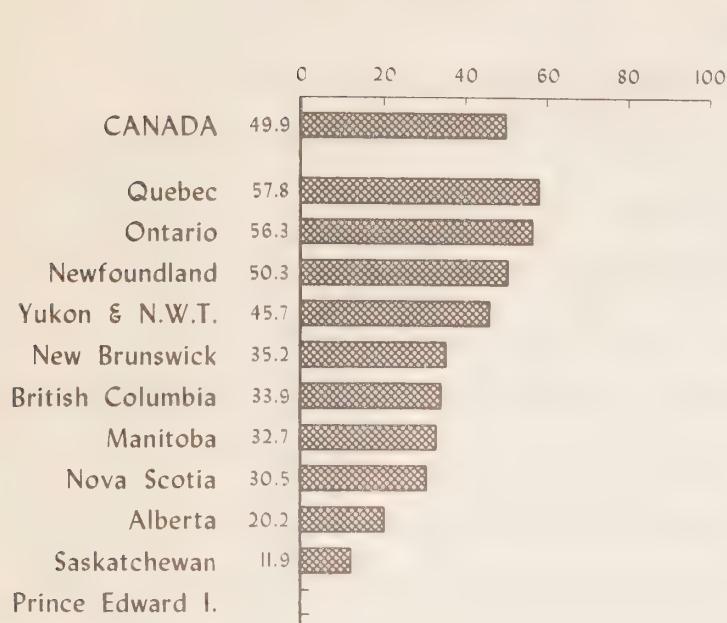
By industry the variation in the availability of emergency care for occupational accident and illness was not as great as by province or size of plant. In most industries the per cent of employees covered ranged from 34 to 50, with manufacturing having a high of 58.6 (non-office) and services a low of 15.0 (Table 4B).

Provision of this service increased directly with the size of plant, from about 7 per cent at the 15-49 employee group to nearly 90 per cent at the 1,000 and over level (Table 4C). It was available to 58.4 per cent of employees, slightly more than the all-sizes of plant figure of 52.4, in those plants unclassified as to size i.e. those with office employees only.

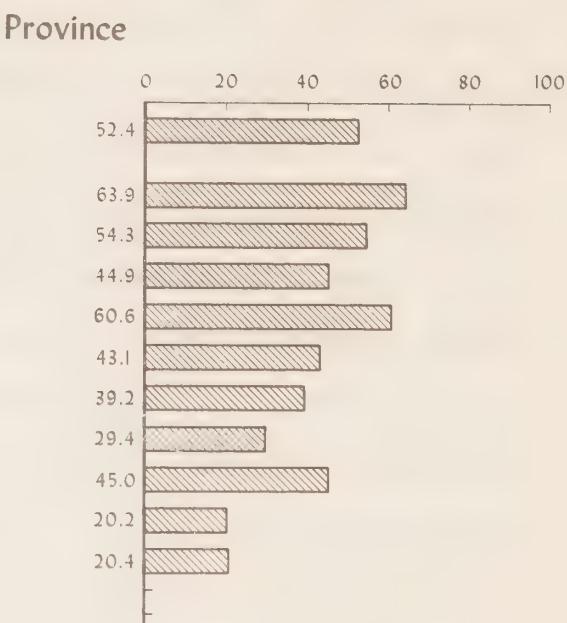
Percentage data on workers receiving emergency care in the establishment for occupational accident or illness are compared by province, industry, and size of establishment in Chart 2.

CHART 2. PERCENTAGE OF SURVEYED WORKERS RECEIVING EMERGENCY CARE, IN ESTABLISHMENT, FOR OCCUPATIONAL ACCIDENT OR ILLNESS: BY PROVINCE, INDUSTRY, AND SIZE OF ESTABLISHMENT, 1954

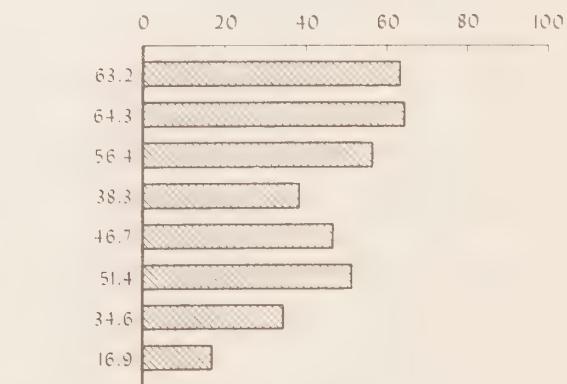
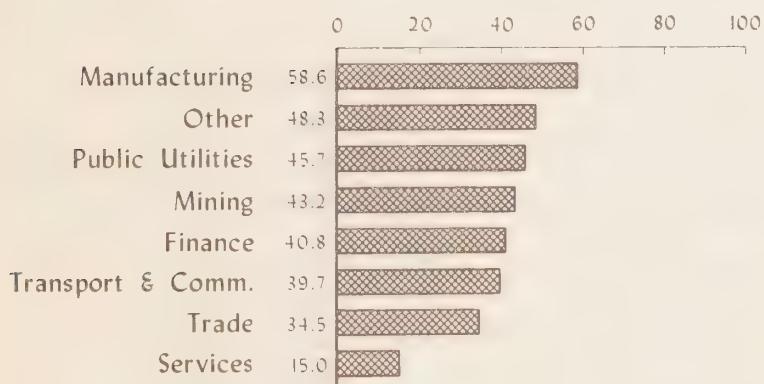
NON-OFFICE WORKERS



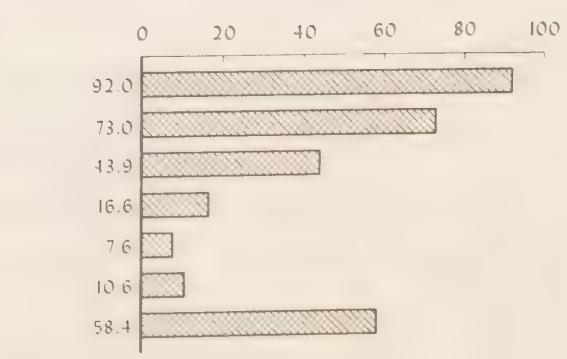
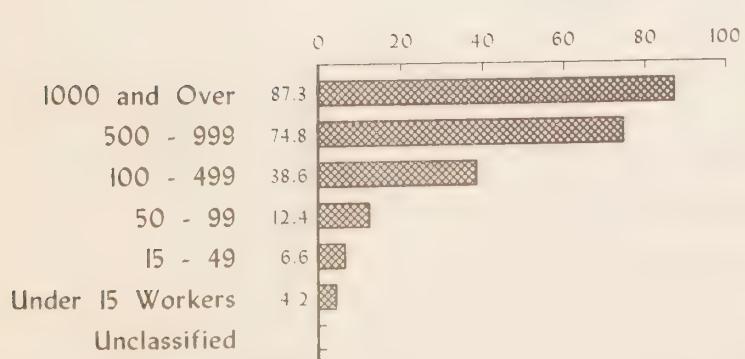
OFFICE WORKERS



Industry



Size of Establishment*



* Size as Determined by Number of Non-Office Workers

Emergency Care in Establishment for Non-Occupational

Accident or Illness. Emergency care in the establishment for non-occupational accident or illness was available to 43.5 per cent of employees. For occupational accident or illness coverage was somewhat higher, viz. 50.5 per cent. However, most plants providing the one service must have provided the other since the highest possible coverage was 54.7 per cent (Table 3). The question may arise whether any distinction could or would be made, in an emergency, between an occupational or non-occupational accident or illness. Where doctors or nurses were employed on the premises, the worker would undoubtedly receive the emergency care. However, where the physician or nurse was not employed but on call, the physician called in for non-occupational accident or illness would perhaps tend to be the patient's own doctor. This is not inconsistent with the reporting by 997 establishments of provision of some service but not the employment of either physicians or nurses as noted in Part III.

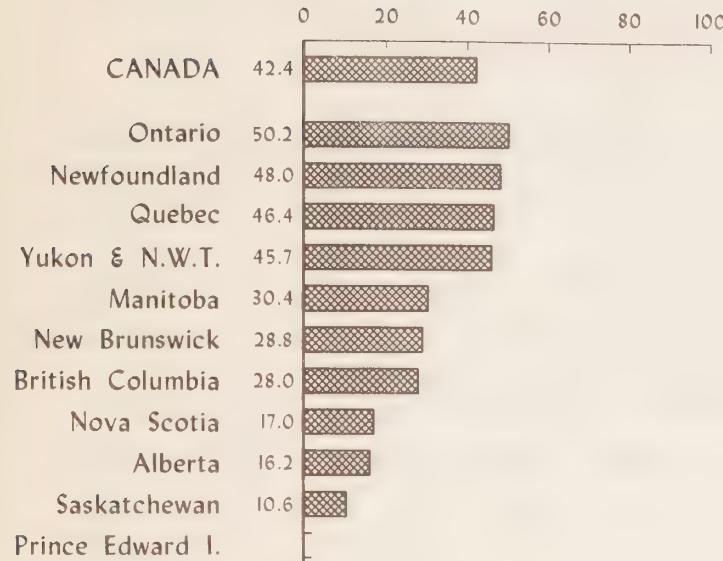
Emergency care for non-occupational accident or illness was available to 42.4 (non-office) and 46.9 (office) per cent of the workers surveyed. Such care was available most frequently in Ontario (50.2 per cent) and Newfoundland (48.0 per cent) for non-office employees with Quebec and the Territories following closely (Table 4A). In the remaining provinces the provision was much less frequent, the highest figure being 30.4 per cent for Manitoba.

Except for the service group, which had a low figure of 9.6 per cent, and manufacturing a high of 49.1, the percentage of non-office employees receiving this care varied by industry between 30 and 41 per cent (Table 4B).

Provision of emergency care increased directly with the size of plant from 4 per cent to 80 per cent. (Table 4C). Unclassified establishments had care available to 35.6 per cent of workers; plants with less than 15 non-office employees made it available to 20.9 per cent of office staffs.

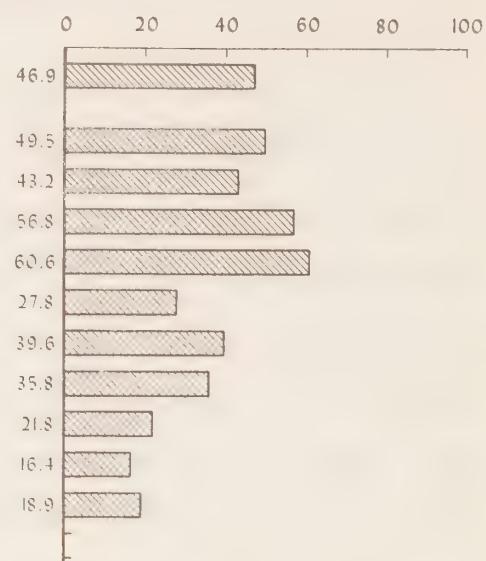
CHART 3. PERCENTAGE OF SURVEYED WORKERS RECEIVING EMERGENCY CARE, IN ESTABLISHMENT, FOR NON-OCCUPATIONAL ACCIDENT OR ILLNESS: BY PROVINCE, INDUSTRY, AND SIZE OF ESTABLISHMENT, 1954

NON-OFFICE WORKERS

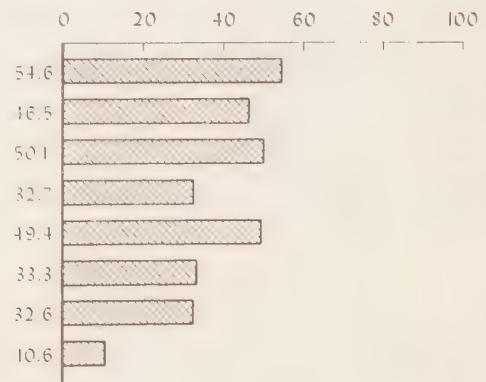
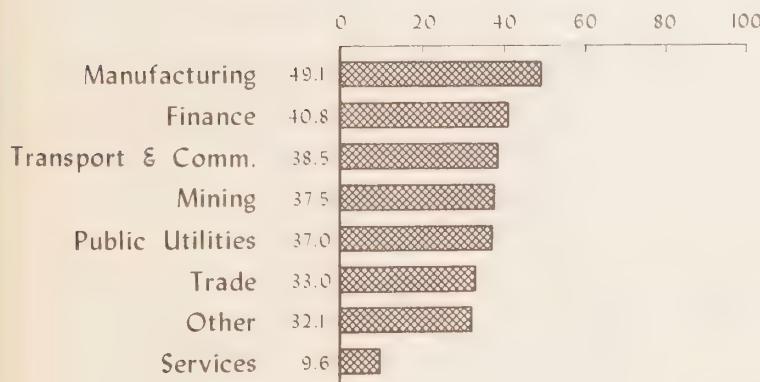


OFFICE WORKERS

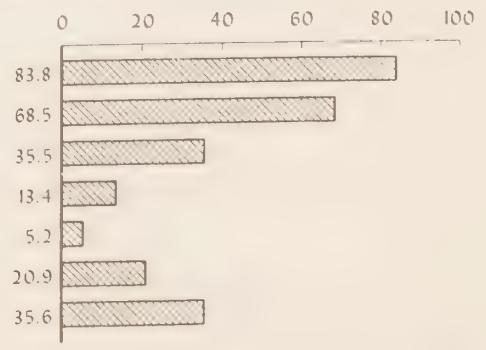
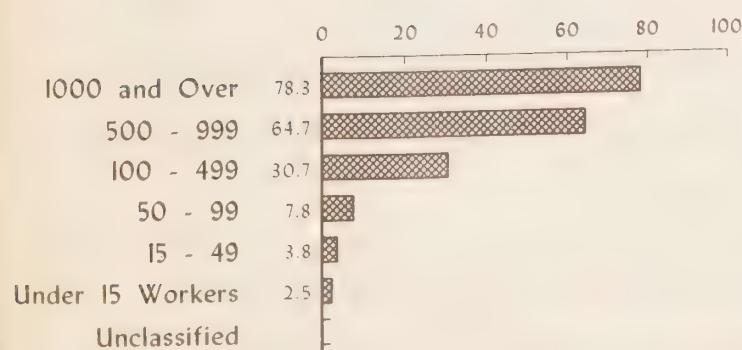
PROVINCE



INDUSTRY



SIZE OF ESTABLISHMENT*



* Size as Determined by Number of Non-Office Workers

Source: Tables 4A, 4B & 4C

Chart 3 sets out a comparison of percentage figures by province, industry, and size of plant, for both non-office and office workers.

Pre-Placement Medical Examination. Pre-placement medical examination was available in 1,165 establishments employing 650,000 persons. These constituted about 9.5 per cent of the establishments and 39.5 per cent of the workers surveyed.

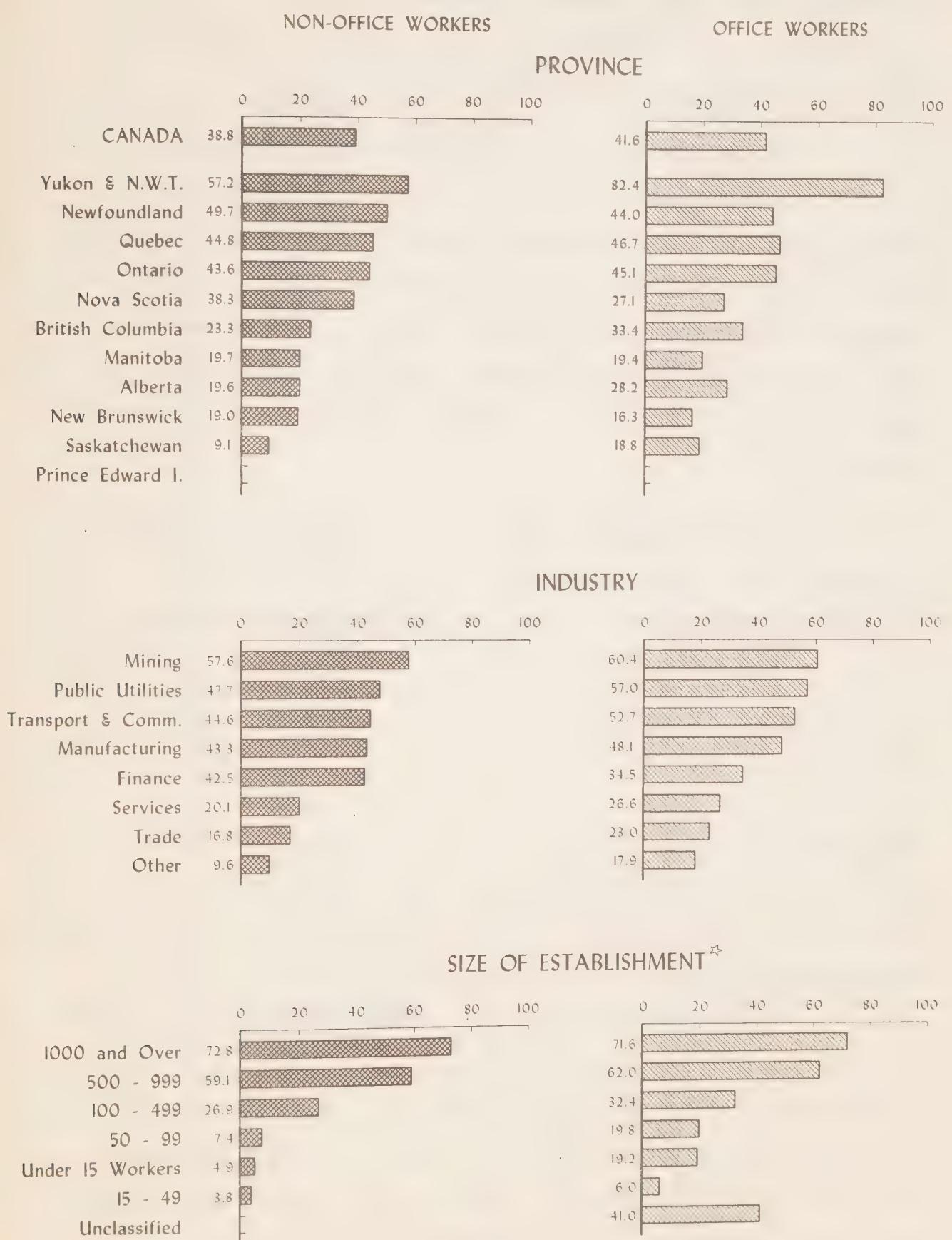
The percentage of non-office employees in firms where pre-placement medical examination was available was highest in the Territories (57.2 per cent) and Newfoundland (49.7 per cent), followed by Quebec (44.8 per cent) and Ontario (43.6 per cent) (Table 4A). The highest percentages of employees to whom all four specified services were available was also found in these four areas, as will be noted in Table 3A.

By industry, Table 4B indicates that the mining industry made this service available to most employees (57.6 per cent of non-office) followed by public utilities, manufacturing, transportation and finance, each with figures in the 40 to 50 per cent range. Service, trade, and other groups had figures of 20 per cent or less for their non-office employees.

Provision of pre-placement medical examination increased directly with increase in size of plant, as is shown in Table 4C, from 3.8 to 72.8 per cent for non-office workers. In "unclassified" plants the service was available to 41.0 per cent of office employees, a figure which is only slightly less than for all plants. Plants with less than 15 non-office employees reported coverage of 4.9 per cent and 19.2 per cent for non-office and office employees, respectively.

Comparison of coverage for pre-placement medical examination by province, industry, and size of establishment is made in Chart 4.

CHART 4. PERCENTAGE OF SURVEYED WORKERS RECEIVING PRE-PLACEMENT MEDICAL EXAMINATION: BY PROVINCE, INDUSTRY, AND SIZE OF ESTABLISHMENT, 1954



*Size as Determined by Number of Non-Office Workers

Source: Tables 4A, 4B and 4C

Periodic Medical Examination. Periodic medical examinations were available to about 25 per cent of all employees surveyed. The percentages for non-office employees covered ranged in the four highest provinces, Quebec, Ontario, Newfoundland and the Territories, between 31.5 and 26.7. In all other provinces the average was below 18 per cent (Table 4A).

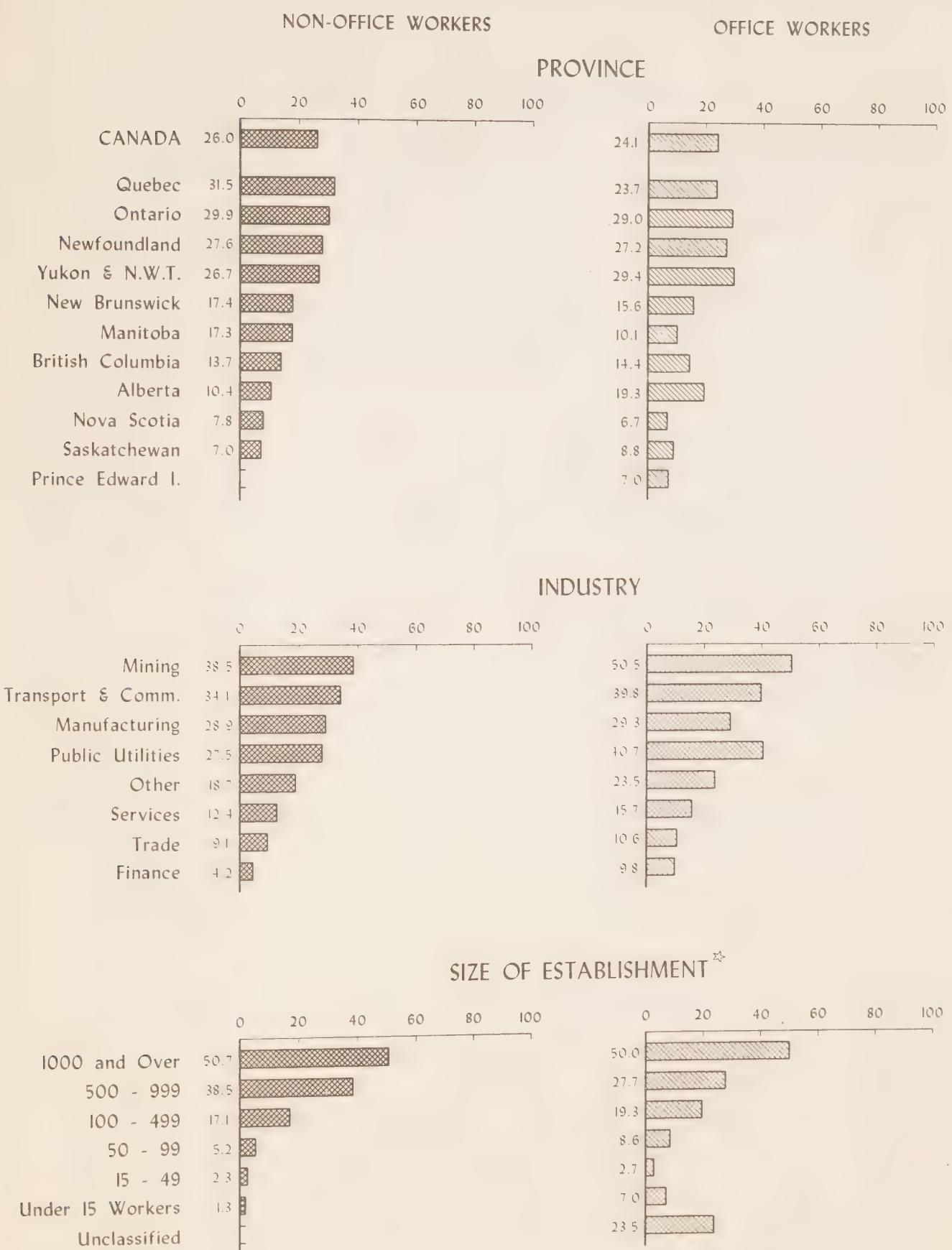
The availability of this service by industry falls into two distinct groups (Table 4B). Mining, transportation, manufacturing and public utilities provided it for from 39 to 28 per cent of non-office employees, with the figures for office employees being considerably higher, especially in mining (50.5 per cent) and public utilities (40.7 per cent). Other industries made it available to only 20 per cent or less of their workers.

Periodic medical examinations, like other services, increased directly with size of plant, rising to 50.7 per cent of non-office employees in firms of over 1,000 persons (Table 4C).

Chart 5 compares the extent of the provision of periodic medical examinations by province, industry, and size of plant.

Home Visits by Nurse. About 20 per cent of employees surveyed were eligible for home visits by a nurse. This was the least common of the five services in question. Quebec and Ontario had the highest proportion of employees covered by this service (22.2 and 20.9 per cent respectively for non-office employees) (Table 4A). However, figures for these provinces were not much greater than the average for all provinces, a reflection of the fact that in Newfoundland and Prince Edward Island no workers were reported as receiving the service and in Nova Scotia, Saskatchewan, Alberta and the Territories the figures were 10 per cent or less.

CHART 5. PERCENTAGE OF SURVEYED WORKERS RECEIVING PERIODIC MEDICAL EXAMINATIONS: BY PROVINCE, INDUSTRY, AND SIZE OF ESTABLISHMENT, 1954



²⁵Size as Determined by Number of Non-Office Workers

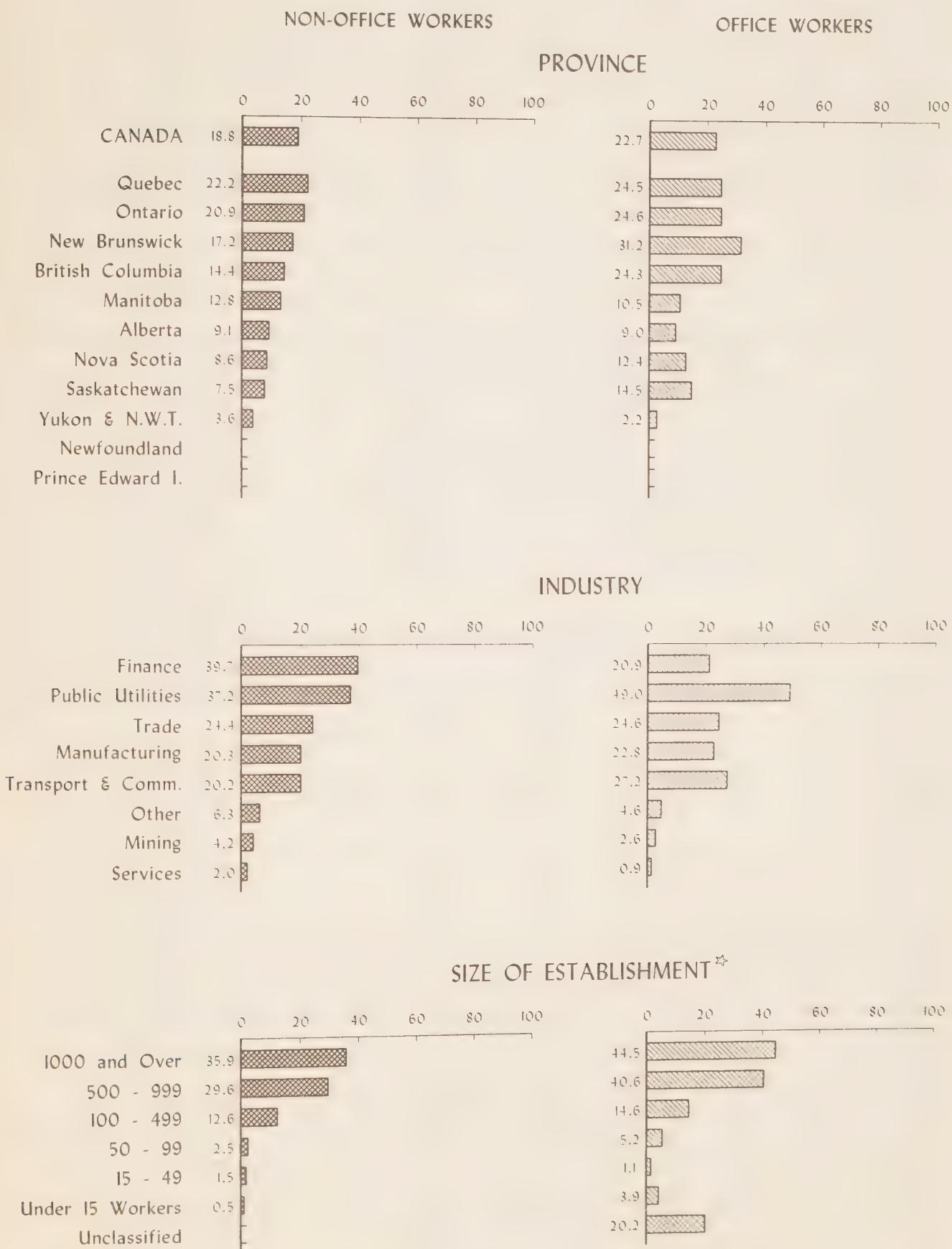
In New Brunswick, Saskatchewan and British Columbia, the proportion of office employees provided with this service was substantially greater than for non-office employees.

Home visits by nurses were available to non-office employees most often in finance and the public utilities (Table 4B). In the next group, trade, transportation and manufacturing, the proportion eligible was between 20 and 25. In the remaining three categories, mining, service, and "other", it averaged less than 5 per cent for non-office and office workers combined.

As in the cases of the other four services, home visits by nurses were provided more often by the larger plants (Table 4C), rising from 1.5 per cent for non-office workers in the 15-49 size to 35.9 per cent for the 1,000 and over group. Unclassified plants reported that 20.2 per cent of their office employees could take advantage of the service.

A comparison of the percentage of workers receiving home visits by nurses is made in Chart 6 by province, industry, and size of establishment.

CHART 6. PERCENTAGE OF SURVEYED WORKERS RECEIVING HOME VISITS BY NURSE: BY PROVINCE, INDUSTRY, AND SIZE OF ESTABLISHMENT, 1954



[†]Size as Determined by Number of Non-Office Workers

TABLE I A ESTABLISHMENTS AND WORKERS WITH PARTICULAR SERVICES, NUMBER AND PER CENT, BY PROVINCE AND SERVICE

Province	Establishments		Workers		Establishments		Workers		Establishments		Workers		Establishments		Workers		
	Emergency Care for Occupational Accidents or Illnesses		Emergency Care for Non-Occupational Accidents or Illnesses		Medical Examination of Workers												
	Establishments	Workers	Establishments	Workers	Establishments	Workers	Establishments	Workers	Establishments	Workers	Establishments	Workers	Establishments	Workers	Establishments	Workers	
Numbers of Establishments and Workers																	
Newfoundland	15	8,023	1,401	10	7,656	1,348	12	7,939	1,374	7	4,406	850	23	—	—	—	
Prince Edward Island	—	—	—	—	7,891	1,937	30	17,801	2,413	18	3,620	593	8	3,976	—	—	
Nova Scotia	33	14,191	4,000	25	7,097	2,244	22	4,678	926	15	4,274	884	8	4,234	1,098	1,098	
New Brunswick	30	8,658	2,443	22	163,554	358	368	157,815	52,523	248	111,013	26,645	147	78,326	27,547	1,770	
Quebec	563	203,555	71,824	102,276	618	286,136	93,297	530	208,510	85,005	331	170,418	54,620	249	119,422	46,137	46,137
Ontario	758	321,279	102,276	40	16,496	4,908	44	10,688	3,425	31	9,386	1,784	9	6,961	1,819	1,819	
Manitoba	59	17,730	5,190	15	2,237	1,230	21	1,933	1,218	11	1,487	568	6	1,576	938	938	
Saskatchewan	21	2,504	1,323	36	8,038	2,578	54	9,732	4,424	30	5,171	3,024	15	4,499	1,414	1,414	
Alberta	51	10,058	3,175	94	33,104	9,690	80	27,577	9,049	38	16,223	3,915	24	16,980	6,574	6,574	
British Columbia	154	40,112	10,605	169	3	765	169	4	958	230	2	447	82	1	61	6	6
Yukon & N.W.T.	3	765	169	1,222	532,974	181,271	1,165	487,631	160,587	732	326,475	92,988	467	236,037	87,633	87,633	
Canada	1,687	626,875	202,006	1,401	1,348	1,374	7	4,406	850	23	—	—	—	—	—	—	
Percent of Establishments and Workers Surveyed																	
Newfoundland	7.7	50.3	144.9	5.1	48.0	43.2	6.1	49.7	144.0	3.6	27.6	27.2	—	—	—	—	
Prince Edward Island	—	—	—	—	—	—	—	—	—	—	2.6	—	7.0	—	—	—	
Nova Scotia	6.6	30.5	145.0	5.0	17.0	21.8	6.0	38.3	27.1	3.6	7.8	6.7	1.6	6.6	12.4	12.4	
New Brunswick	8.4	35.2	143.1	6.1	28.8	39.6	6.1	19.0	16.3	4.2	17.4	15.6	2.2	17.2	31.2	31.2	
Quebec	20.8	57.8	63.9	13.2	46.4	56.8	13.6	44.8	46.7	9.1	31.5	23.7	5.4	22.2	24.5	24.5	
Ontario	14.9	56.3	54.3	12.2	50.2	49.5	10.4	43.6	45.1	6.5	29.9	29.0	4.9	20.9	24.6	24.6	
Manitoba	8.0	32.7	29.4	5.4	30.4	27.8	6.0	19.7	19.4	4.2	17.3	10.1	1.2	12.6	10.5	10.5	
Saskatchewan	4.5	11.9	20.4	3.4	10.6	18.9	4.5	9.1	18.8	2.4	7.0	8.8	1.3	7.5	14.5	14.5	
Alberta	6.8	20.2	20.2	4.8	16.2	16.4	7.2	19.6	28.2	4.0	10.4	19.3	2.0	9.1	9.0	9.0	
British Columbia	10.9	33.9	39.2	6.7	28.0	35.8	5.7	23.3	33.4	2.7	13.7	14.4	1.7	14.4	24.3	24.3	
Yukon & N.W.T.	16.7	45.7	60.6	16.7	45.7	60.6	22.2	57.2	82.1	11.1	26.7	29.4	5.6	3.6	2.2	2.2	
Canada	13.8	49.9	52.4	10.0	42.4	46.9	9.5	38.8	41.6	6.0	26.0	24.1	3.8	18.8	22.7	22.7	

TABLE 1B ESTABLISHMENTS AND WORKERS WITH PARTICULAR SERVICES: NUMBER AND PER CENT. BY INDUSTRY AND SERVICE

Industry	Emergency Care For Occupational Accident or Illness			Emergency Care For Non-Occupational Accident or Illness			Pre-Placement Medical Examination			Periodical Medical Examination			Home Visits By Nurse		
	Establishments		Workers	Establishments		Workers	Establishments		Workers	Establishments		Workers	Establishments		Workers
	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office
Numbers of Establishments and Workers															
Mining	59	31,133	3,376	141	27,012	2,888	71	11,511	5,326	52	27,771	4,456	6	3,014	232
Manufacturing	1,212	470,187	123,777	891	393,668	106,995	678	347,116	94,101	460	232,232	57,396	326	162,645	144,656
Transportation and Communication	68	36,196	12,091	53	35,100	11,769	92	10,601	12,397	66	31,058	9,364	18	18,365	6,383
Public Utilities	17	11,209	8,756	29	9,083	7,332	53	11,708	8,462	21	6,739	6,044	24	9,121	7,278
Trade	180	55,034	22,853	147	52,728	22,018	186	26,779	15,229	80	14,506	7,038	80	38,945	16,241
Finance	17	1,032	28,149	16	1,032	28,051	17	1,075	20,792	11	106	5,893	5	1,003	12,610
Services	53	12,555	2,190	29	8,021	1,556	66	16,910	3,916	10	10,372	2,320	7	1,672	140
Other Industries	21	9,529	1,301	13	6,330	662	2	1,898	361	2	3,691	477	1	1,242	93
All Industries	1,687	626,875	202,106	1,222	532,974	181,271	1,165	487,631	160,587	732	326,475	92,988	467	236,037	81,633

Percent of Establishments and Workers Surveyed

Industry	Percent of Establishments and Workers Surveyed			Percent of Establishments and Workers Surveyed			Percent of Establishments and Workers Surveyed			Percent of Establishments and Workers Surveyed			Percent of Establishments and Workers Surveyed		
	Establishments		Workers	Establishments		Workers	Establishments		Workers	Establishments		Workers	Establishments		Workers
	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office
Percent of Establishments and Workers Surveyed															
Mining	20.8	43.2	38.3	15.5	37.5	32.7	25.0	57.6	60.4	18.3	33.5	50.5	2.1	4.2	2.6
Manufacturing	18.6	58.6	63.2	13.3	19.1	54.6	10.1	43.3	48.1	6.9	28.9	29.3	4.9	20.3	22.5
Transportation and Communication	8.1	39.7	51.4	6.3	38.5	50.1	10.9	14.6	52.7	7.8	34.1	39.8	2.1	20.2	27.2
Public Utilities	21.6	15.7	56.4	15.2	37.0	49.4	27.7	17.7	57.0	11.0	27.5	40.7	12.6	37.2	49.0
Trade	6.1	31.5	34.6	5.0	33.0	6.3	16.8	23.0	2.7	9.1	10.6	2.7	24.4	24.6	
Finance	30.9	10.8	16.7	29.1	14.8	16.5	30.9	42.5	34.5	20.0	4.2	9.8	9.1	39.7	20.9
Services	4.6	15.0	16.9	2.5	9.6	10.6	5.7	20.1	26.6	3.4	12.4	15.7	0.60	2.0	0.9
Other Industries	20.6	18.3	61.3	12.7	32.1	2.0	9.6	17.9	2.0	13.7	23.5	1.0	6.3		4.6
All Industries	13.8	49.9	52.4	10.0	42.4	46.9	9.5	38.8	11.6	6.0	26.0	3.8	18.8	24.7	

ESTABLISHMENTS AND WORKERS WITH PARTICULAR SERVICES: NUMBER AND PER CENT. BY SIZE OF PLANT AND SERVICE

Emergency Care For Occupational Accident or Illness			Emergency Care for Non-Occupational Accident or Illness			Pre-Placement Medical Examination			Periodical Medical Examination			Home Visits By Nurse		
Establishments		Workers	Establishments		Workers	Establishments		Workers	Establishments		Workers	Establishments		Workers
Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office	Office	Non-Office
Numbers of Establishments and Workers														
111	899	1,522	68	536	2,998	99	1,046	2,745	36	275	1,000	11	96	558
261	8,829	3,117	141	5,089	2,127	148	5,155	2,459	92	3,121	1,109	52	2,064	449
257	18,813	6,140	159	11,800	5,164	150	11,177	7,618	106	7,840	3,310	51	3,816	2,001
662	162,662	42,544	507	129,442	34,360	433	113,252	31,415	285	72,044	18,672	199	53,146	14,129
210	115,596	43,811	180	125,883	41,113	165	115,077	37,207	108	74,852	16,657	82	57,546	24,405
128	290,016	71,172	115	260,224	64,826	98	241,924	55,403	69	168,343	38,647	53	119,369	34,386
58	**	33,832	49	**	30,653	72	**	23,740	36	**	13,592	19	**	11,705
1,687	626,875	202,406	1,222	532,974	181,271	1,165	487,631	160,587	732	326,475	92,988	467	236,037	87,633

Percent of Establishments and Workers Surveyed

4.3	4.2	10.6	2.6	2.5	20.9	3.8	4.9	19.2	1.4	1.3	7.0	0.4	0.45	3.90
5.7	6.6	7.6	3.2	3.8	5.2	3.3	3.8	6.0	2.0	2.3	2.7	1.1	1.1	1.1
11.8	12.4	16.6	7.3	7.8	13.4	6.9	7.4	19.8	4.9	5.2	8.6	2.3	2.5	5.2
31.8	38.6	43.9	24.3	30.7	35.5	20.8	26.9	32.4	13.7	17.1	19.3	9.6	12.6	24.6
74.5	74.8	73.0	63.8	64.7	68.5	58.5	59.1	62.0	38.3	38.5	27.7	29.1	29.6	40.6
84.2	87.3	92.0	75.7	78.3	83.8	64.5	72.8	71.6	45.4	50.7	50.0	34.9	35.9	44.5
13.0	—	58.4	11.0	—	35.6	16.1	—	11.0	8.1	—	23.5	4.3	—	20.2
13.8	49.9	52.14	10.0	42.4	46.9	9.5	38.8	41.6	6.0	26.0	24.1	3.8	18.8	22.7

All Sizes of Plant

(c) Analysis of Specific Services Provided Alone or in Combination with One Other Service.

Tabulations were also made of establishments where only one of the following four services - emergency care in the establishment for occupational accident or illness, emergency care in establishment for non-occupational accident or illness, pre-placement medical examinations, periodic medical examination - was provided, or where certain combinations of two of these services were available. (1) The summary data appear in Table 5, with details by province, industry, and size of plant, in Tables 5A, 5B, and 5C, respectively.

Of the four specific services and combinations the one found most often was emergency care within the establishment for any accident or illness whether work connected or not. This service was provided by 3.5 per cent of establishments and covered 10 per cent of workers surveyed. As indicated in Table 5 the next most frequent single service was emergency care in the establishment for occupational accident or illness, which was available for only 2.9 per cent of workers.

Analysis of the data by province, industry, and size of plant reveals that the incidence of any of these services in any province, industry, or size of plant is very small except for emergency care for any accident or illness. When Tables 5A, 5B, and 5C are studied in relation to

(1) Provision of any of these single services or combinations of two is independent of home visits by nurses. For example, while 158 establishments provided only pre-placement medical examinations and not the other three services listed, home visits by nurses may or may not have been available for workers in these establishments.

TABLE 5 ESTABLISHMENTS AND WORKERS WITH ONE SPECIFIED SERVICE^(a), BY SERVICE.

Services ^(a)	Estab- lish- ments	Coverage Workers			Total
		Non- of- fice	Of- fice		
		Number			
Pre-placement medical examination	158	20,773	7,893	28,666	
Periodic medical examination	44	3,628	804	4,432	
Pre-placement medical and periodic medical examination	106	15,646	4,229	19,875	
Emergency care in establishment for occupational accident or illness	309	38,754	8,276	47,030	
Emergency care in establishment for non-occupational accident or illness	28	1,794	301	2,095	
Emergency care, in establishment, for any accident or illness	431	24,147	42,713	166,671	
Per Cent					
Pre-placement medical examination	1.3	1.7	2.0	1.7	
Periodic medical examination	0.36	0.29	0.21	0.27	
Pre-placement medical and periodic medical examination	0.86	1.2	1.1	1.2	
Emergency care in establishment for occupational accident or illness	2.5	3.1	2.1	2.9	
Emergency care in establishment for non-occupational accident or illness	0.23	0.14	0.08	0.13	
Emergency care in establishment for any accident or illness	3.5	9.9	11.0	10.1	

(a) The service (or combination) shown is the only one provided in the establishment, in contrast to those in Table 4 where the services are not mutually exclusive. Also, in Table 5, home visits by nurses may or may not be provided in addition to the services listed.

Tables 4A, 4B, and 4C respectively, certain comments may be made. The services in Table 5A are not most prominent in Quebec, Ontario, Newfoundland and the Territories as they are in Table 4A. Similarly, the larger plants are noticeably absent in Table 5C except for the last columns whereas, in Table 4C, the services there reviewed increased directly and steadily with size of plant. In Table 5B, the somewhat haphazard scattering among industries, and the extremes in the percentage figures are in contrast to the more orderly array in Table 4B

TABLE 5A ESTABLISHMENTS AND WORKERS WITH ONE SPECIFIED SERVICE: NUMBER AND PER CENT., BY PROVINCE AND SERVICE

Province	Pre-Placement Medical Examination				Periodical Medical Examination				Pre-Placement and Periodical Medical Examination				Emergency Care, In Establishment, For Accident or Illness				Any Accident or Illness				
	Workers		Establishments		Workers		Establishments		Workers		Establishments		Workers		Establishments		Workers		Establishments		
	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office
Numbers of Establishments and Workers																					
Percent of Establishments and Workers Surveyed																					
Newfoundland	1	94	1	-	-	-	-	-	1	136	16	3	110	42	-	-	1	139	-	-	-
Prince Edward Is.	-	-	-	1	-	-	23	-	-	-	-	-	-	-	-	-	9	2,094	506	-	-
Nova Scotia	7	8,133	465	2	274	39	14	93	29	5	2,522	1,575	-	-	-	-	12	4,306	1,537	-	-
New Brunswick	6	4,633	68	2	111	50	1	812	93	5	949	141	-	-	-	-	131	33,704	16,670	-	-
Quebec	43	4,549	1,258	15	1,284	270	36	6,519	999	129	15,926	3,169	7	364	109	-	209	64,664	19,378	-	-
Ontario	63	4,602	4,306	12	374	259	31	3,222	1,088	83	11,411	2,152	20	1,116	178	-	13	6,753	1,583	-	-
Manitoba	9	249	132	4	360	25	5	27	113	11	879	211	-	-	-	-	4	519	149	-	-
Saskatchewan	5	55	52	-	-	-	4	10	118	11	217	68	-	-	-	-	10	2,225	409	-	-
Alberta	10	1,301	215	1	110	32	13	1,390	1,572	9	1,151	107	-	-	-	-	14	9,730	2,281	-	-
British Columbia	13	1,134	1,335	4	551	97	8	1,617	201	53	5,556	811	1	11	14	-	-	-	-	-	-
Yukon and N.W.T.	1	193	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada	158	20,773	7,893	14	3,628	301	106	15,646	4,229	309	38,754	8,276	28	1,794	301	431	124,134	42,513	-	-	-
Newfoundland	0.51	0.59	0.03	-	-	-	2.6	-	7.0	-	0.51	0.85	0.51	1.5	0.69	1.3	-	0.51	0.87	-	-
Prince Edward Is.	-	-	-	1	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	1.4	17.5	5.2	0.40	0.59	0.44	0.20	0.80	0.33	1.0	5.4	17.7	-	-	-	-	1.8	4.6	5.7	-	-
New Brunswick	1.7	1.9	1.2	0.56	0.57	1.1	1.1	3.3	1.6	1.7	3.9	2.5	-	-	-	-	3.3	17.5	27.1	-	-
Quebec	1.6	1.3	1.1	0.55	0.36	0.24	1.3	1.9	0.89	4.8	4.5	2.8	0.26	0.10	0.10	0.10	4.8	9.6	14.8	-	-
Ontario	1.2	0.81	2.3	0.30	0.15	0.14	0.61	0.56	0.58	1.7	2.0	1.1	0.39	0.25	0.09	0.1	11.3	10.3	11.3	-	-
Manitoba	1.2	0.46	0.75	0.54	0.66	0.14	0.68	1.8	0.61	1.9	1.6	1.2	-	-	-	-	1.8	12.4	9.0	-	-
Saskatchewan	1.1	0.26	0.80	-	-	-	0.86	1.9	1.8	0.86	1.2	1.0	-	-	-	-	0.86	2.5	2.3	-	-
Alberta	1.3	2.6	1.4	0.13	0.29	0.20	1.7	3.8	10.0	1.2	2.3	0.68	-	-	-	-	1.3	4.5	2.6	-	-
British Columbia	0.92	1.0	4.9	0.28	0.47	0.36	0.57	1.4	0.74	3.8	4.7	3.0	0.07	0.01	0.05	3.0	8.2	8.4	8.4	-	-
Yukon and N.W.T.	5.6	11.5	21.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Canada	1.3	1.7	2.0	0.36	0.29	0.21	0.86	1.2	1.1	2.5	3.1	2.1	0.23	0.11	0.08	3.5	9.9	11.0	-	-	-

TABLE 5B
ESTABLISHMENTS AND WORKERS WITH ONE SPECIFIED SERVICE: NUMBER AND PER CENT, BY INDUSTRY AND SERVICE
(a)

Industry	Pre-Placement Medical Examination			Periodical Medical Examination			Pre-Placement and Periodical Medical Examination			Emergency Care, in Establishment, For Accident or Illness		
	Workers		Workers	Establishments		Workers	Establishments		Workers	Establishments		Workers
	Establishments	Office	Office	Establishments	Office	Non-Office	Establishments	Office	Non-Office	Establishments	Office	Non-Office
Numbers of Establishments and Workers												
Mining	5	7,181	445	1	112	9	15	1,562	3	806	24	-
Manufacturing	39	4,933	1,237	26	2,614	453	22	2,662	703	242	30,619	13
Transportation and Communication	13	1,756	175	3	205	41	26	3,948	336	4	174	30
Public Utilities	7	199	198	-	-	-	-	-	-	-	-	-
Trade	61	1,174	1,560	8	149	264	26	1,496	1,142	37	2,826	582
Finance	1	64	2,761	-	-	1	-	60	-	-	-	-
Service	32	5,166	1,517	6	278	37	16	3,295	121	16	1,322	180
Other	-	-	-	-	-	-	-	-	-	-	-	-
All Industries	158	20,773	7,893	44	3,628	804	106	15,616	4,229	309	38,754	8,276
Percent of Establishments and Workers Surveyed												
Mining	1.6	10.0	5.0	0.35	0.16	0.10	5.3	5.9	17.7	1.1	1.1	0.27
Manufacturing	0.58	0.61	0.63	0.39	0.33	0.23	0.33	0.35	0.36	3.6	3.8	0.19
Transportation and Communication	1.5	1.9	0.74	0.36	0.23	0.17	0.08	0.3	0.47	0.19	0.13	-
Public Utilities	3.7	2.0	1.3	-	-	-	-	-	-	-	-	-
Trade	2.1	0.74	2.4	0.27	0.26	0.10	0.88	0.94	1.7	1.3	1.8	0.88
Finance	1.8	2.5	4.6	-	-	1.8	-	0.10	-	-	-	0.17
Service	2.7	6.2	10.3	0.52	0.33	0.25	1.4	3.9	2.9	1.4	1.6	0.09
Other	-	-	-	-	-	-	-	-	-	6.9	15.2	31.7
All Industries	1.3	1.7	2.0	0.36	0.29	0.21	0.86	1.2	1.1	2.5	3.1	2.1

Percent of Establishments and Workers Surveyed

Mining	1.6	10.0	5.0	0.35	0.16	0.10	5.3	5.9	17.7	1.1	1.1	0.27
Manufacturing	0.58	0.61	0.63	0.39	0.33	0.23	0.33	0.35	0.36	3.6	3.8	0.19
Transportation and Communication	1.5	1.9	0.74	0.36	0.23	0.17	0.08	0.3	0.47	0.19	0.13	-
Public Utilities	3.7	2.0	1.3	-	-	-	-	-	-	-	-	-
Trade	2.1	0.74	2.4	0.27	0.26	0.10	0.88	0.94	1.7	1.3	1.8	0.88
Finance	1.8	2.5	4.6	-	-	1.8	-	0.10	-	-	-	0.17
Service	2.7	6.2	10.3	0.52	0.33	0.25	1.4	3.9	2.9	1.4	1.6	0.09
Other	-	-	-	-	-	-	-	-	-	6.9	15.2	31.7
All Industries	1.3	1.7	2.0	0.36	0.29	0.21	0.86	1.2	1.1	2.5	3.1	2.1

(a) Unlike Table 4B, which includes duplications of establishments and workers, those in Table 5B under each heading are not included under any other heading since they receive only one service.

(a) NUMBER AND PER CENT. BY SIZE OF PLANT AND SERVICE
ESTABLISHMENTS AND WORKERS WITH ONLY ONE OR TWO SPECIFIED SERVICE:

Size of Plant	Pre-Placement Medical Examination		Periodical Medical Examination		Pre-Placement and Periodical Medical Examination		Emergency Care, in Establishment, For Accident or Illness	
	Workers		Workers		Workers		Non-Occupational Accident or Illness	
	Establishments	Non-Office	Establishments	Non-Office	Establishments	Non-Office	Establishments	Non-Office
Numbers of Establishments and Workers								
Under 15 Workers	37	569	1,162	4	28	112	13	103
15 - 49	49	1,437	731	10	290	95	26	922
50 - 99	28	2,028	3,217	14	968	162	22	1,538
100 - 499	20	4,951	892	13	2,342	323	33	8,714
500 - 999	6	11,788	662	-	-	6	4,369	1,343
1,000 and over	-	-	-	-	-	-	-	-
Unclassified	18	-	229	3	-	112	6	-
All Sizes	158	20,773	7,893	44	3,628	804	106	15,646
Under 15 Workers	37	569	1,162	4	28	112	13	103
15 - 49	49	1,437	731	10	290	95	26	922
50 - 99	28	2,028	3,217	14	968	162	22	1,538
100 - 499	20	4,951	892	13	2,342	323	33	8,714
500 - 999	6	11,788	662	-	-	6	4,369	1,343
1,000 and over	-	-	-	-	-	-	-	-
Unclassified	18	-	229	3	-	112	6	-
All Sizes	158	20,773	7,893	44	3,628	804	106	15,646

Percent of Establishments and Workers Surveyed

Size of Plant	Pre-Placement Medical Examination		Periodical Medical Examination		Pre-Placement and Periodical Medical Examination		Emergency Care, in Establishment, For Accident or Illness	
	Workers		Workers		Workers		Non-Occupational Accident or Illness	
	Establishments	Non-Office	Establishments	Non-Office	Establishments	Non-Office	Establishments	Non-Office
Percent of Establishments and Workers Surveyed								
Under 15 Workers	1.4	2.7	10.2	0.16	0.78	0.50	0.49	1.3
15 - 49	1.1	1.1	1.8	0.22	0.23	0.57	0.69	0.91
50 - 99	1.3	1.3	8.3	0.64	0.42	1.0	1.0	1.3
100 - 499	0.96	1.2	0.92	0.62	0.56	0.33	1.6	2.1
500 - 999	2.1	6.1	1.1	-	-	2.1	2.2	5.3
1,000 and over	-	-	-	-	-	-	-	-
Unclassified	4.0	-	1.6	0.67	-	0.19	1.3	-
All Sizes	1.3	1.7	2.0	0.36	0.29	0.21	0.86	1.2

(a) Unlike Table 4C, which includes duplications of establishments and workers, those in Table 5C under each heading are not included under any other heading since they receive only one service.

III. SERVICES OF EMPLOYED PHYSICIANS AND NURSES

The number of establishments and workers provided with the services of employed physicians and nurses, either on a full- or part-time basis, is shown in Table 6. As some establishments employed both full- and part-time physicians (and some employed full- and part-time nurses), it was not possible to show sub-totals of establishments and workers.

Ninety-one per cent of establishments and 55.4 per cent of workers were not provided with the services of employed physicians or nurses; hence nine per cent of establishments did provide these services to 44.6 per cent of the workers. The most common service was that of employed full-time nurses which was available in 6.6 per cent of establishments and covered 39.8 per cent of the workers. In other words, out of the 1,102 establishments which provided any service to their 732,593 workers, 805, or 73 per cent, of establishments employed full-time nurses for the benefit of 89 per cent of these workers. That these nurses did not always work alone, however, is evident from a study of Table 6.

As 11,163 establishments of the 12,265 surveyed reported no physician or nurse employed on either a full- or part-time basis and as Table 3 shows that 10,166 provided no medical services it follows that 997 establishments provided some services, though no employing physicians or nurses.

An analysis of the numbers of plants and workers supplied with services of employed physicians and nurses by province, industry and size of plant is given in Tables 6A, 6B and 6C. A comparison of these tables with 3A, 3B and 3C will indicate the number of establishments providing services other than through employed physicians or nurses. For example, of the 284 establishments in the mining industry which were surveyed, Table 3B shows that 81 provided some measure of medical services

TABLE 6 AVAILABILITY OF SERVICES OF EMPLOYED PHYSICIANS AND NURSES

Service Available	Coverage			
	Establish- men'ts	Workers		
		Non- Office	Office	All
Number				
Physicians only:				
Full-time	31	7,117	1,408	8,525
Part-time	166	36,236	9,564	45,800
Physicians with Nurses:				
Full-time	167	150,701	53,888	204,589
Part-time	453	271,794	96,192	367,986
Nurses:				
Full-time	805	484,134	169,929	654,063
Part-time	125	42,991	16,986	59,977
Any Employed Physician or Nurse				
	1,102	546,256	186,337	732,593
No Employed Physicians or Nurses				
	11,163	709,795	199,840	909,635
Per Cent				
Physicians only:				
Full-time	0.25	0.57	0.36	0.52
Part-time	1.4	2.9	2.5	2.8
Physicians with Nurses:				
Full-time	1.4	17.0	17.7	17.5
Part-time	3.7	21.6	24.9	22.4
Nurses:				
Full-time	6.6	38.5	44.0	39.8
Part-time	1.0	3.4	4.4	3.7
Any Employed Physician or Nurse				
	9.0	43.5	48.3	44.6
No Employed Physicians or Nurses				
	91.0	56.5	51.7	55.4

so that no services were provided in 203. From Table 6B it will be seen that in 231 mining establishments no physician or nurse was employed. Consequently some form of service was provided in 28 establishments which did not employ physicians or nurses.

Again, pre-placement medical examinations were available in 71 plants in the mining industry, as shown in Table 4B. However, from Table 6B it is clear that physicians and nurses were employed in only 284 less 231 or 53 establishments. Hence there were 18 mining establishments which reported pre-placement medical examination in which no physician or nurse was employed.

Province	Physicians Only						Physicians With Nurses						No Physician or Nurse					
	Full-Time Workers			Part-Time Workers			Full-Time Workers			Part-Time Workers			Full-Time Workers			Part-Time Workers		
	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office
Numbers of Establishments and Workers																		
Newfoundland	-	-	-	1	20	21	6	7121	1301	3	5180	811	6	7421	1301	-	-	189
Prince Edward Is.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8520
Nova Scotia	1	151	2	4	353	92	5	6333	1383	6	1335	303	21	14683	3822	2	1167	811
New Brunswick	2	127	133	1	12	19	3	1115	117	2	750	165	11	1752	1284	7	1404	114
Quebec	8	1533	125	63	11937	311	78	29373	13327	162	120363	41112	266	165257	62848	33	17992	6582
Ontario	13	4555	1068	73	20344	4958	55	82336	33775	237	126563	46555	416	216444	85364	63	15437	6730
Manitoba	-	-	-	5	333	334	4	3111	113	10	2315	1477	15	10128	3311	7	1603	655
Saskatchewan	-	-	-	2	114	34	-	-	-	3	412	115	7	2031	988	1	81	75
Alberta	2	110	17	3	256	111	3	1593	1229	13	3819	2067	26	8512	3195	1	138	22
British Columbia	5	61	63	12	2366	660	11	10736	2531	17	10257	3521	35	24153	7731	11	5166	1997
Yukon and N.W.T.	-	-	-	2	511	118	2	447	82	-	-	-	2	447	82	-	-	14
Canada	31	7117	1108	166	36236	9561	167	150701	53888	453	271794	96192	805	481134	169929	125	142991	16986

Province	Nurses						Establishments and Workers						Establishments and Workers Surveyed					
	Full-Time Workers			Part-Time Workers			Establishments			Workers			Establishments			Workers		
	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office
Numbers of Establishments and Workers																		
Newfoundland	-	-	-	1	20	21	6	7121	1301	3	5180	811	6	7421	1301	-	-	189
Prince Edward Is.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8520
Nova Scotia	1	151	2	4	353	92	5	6333	1383	6	1335	303	21	14683	3822	2	1167	811
New Brunswick	2	127	133	1	12	19	3	1115	117	2	750	165	11	1752	1284	7	1404	114
Quebec	8	1533	125	63	11937	311	78	29373	13327	162	120363	41112	266	165257	62848	33	17992	6582
Ontario	13	4555	1068	73	20344	4958	55	82336	33775	237	126563	46555	416	216444	85364	63	15437	6730
Manitoba	-	-	-	5	333	334	4	3111	113	10	2315	1477	15	10128	3311	7	1603	655
Saskatchewan	-	-	-	2	114	34	-	-	-	3	412	115	7	2031	988	1	81	75
Alberta	2	110	17	3	256	111	3	1593	1229	13	3819	2067	26	8512	3195	1	138	22
British Columbia	5	61	63	12	2366	660	11	10736	2531	17	10257	3521	35	24153	7731	11	5166	1997
Yukon and N.W.T.	-	-	-	2	511	118	2	447	82	-	-	-	2	447	82	-	-	14
Canada	31	7117	1108	166	36236	9561	167	150701	53888	453	271794	96192	805	481134	169929	125	142991	16986

Province	Nurses						Establishments and Workers						Establishments and Workers Surveyed						
	Full-Time Workers			Part-Time Workers			Establishments			Workers			Establishments			Workers			
	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	
Percent of Establishments and Workers Surveyed																			
Newfoundland	-	-	-	0.152	0.16	0.17	3.1	46.5	1.5	34.3	27.1	3.1	46.5	4.1	7	-	-	96.4	
Prince Edward Is.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52.1	
Nova Scotia	0.20	0.32	0.32	0.80	0.75	0.76	1.0	13.6	16.6	1.2	3.9	3.1	4.2	31.6	13.0	0.40	2.5	9.1	
New Brunswick	0.56	0.51	2.1	0.28	0.05	0.05	0.31	0.84	1.05	2.1	0.56	3.0	2.9	3.1	19.3	22.7	2.0	5.7	2.0
Quebec	0.29	0.44	0.44	0.11	2.3	3.4	2.8	2.9	11.3	11.9	6.0	34.2	36.6	9.8	46.9	55.9	1.2	5.1	5.9
Ontario	0.26	0.80	0.57	1.1	3.6	2.6	1.1	14.1	17.9	1.7	22.2	21.7	8.2	43.2	45.3	1.2	2.7	3.6	89.0
Manitoba	-	-	-	0.68	0.61	1.9	0.54	1.6	0.81	1.1	0.5	8.1	8.1	2.0	19.2	18.8	0.95	3.0	3.7
Saskatchewan	-	-	-	0.43	0.54	0.52	-	-	-	0.61	2.0	2.2	1.5	9.6	15.2	0.21	0.40	1.2	97.9
Alberta	0.27	0.23	0.11	0.40	0.52	0.92	0.40	3.2	7.8	1.7	7.7	13.2	3.5	17.1	20.4	0.13	0.28	0.11	95.7
British Columbia	0.35	0.52	0.23	0.85	2.0	2.3	0.78	9.1	9.3	1.2	8.7	13.0	2.5	20.4	28.5	0.78	1.4	7.4	96.0
Yukon and N.W.T.	-	-	-	11.1	30.5	53.0	11.1	26.7	29.4	-	-	-	11.1	26.7	29.4	-	-	77.8	
Canada	0.25	0.57	0.36	1.4	2.9	2.5	1.1	12.0	11.0	3.7	21.6	21.9	6.6	38.5	44.0	1.0	3.4	4.4	56.5

TABLE 63 ESTABLISHMENTS AND WORKERS WITH PHYSICIAN AND NURSING SERVICES; NUMBER AND PER CENT, BY INDUSTRY AND SERVICE

Industry	Physicians Only										Physicians With Nurses										Nurses										No Physician or Nurse										
	Full-Time Workers					Part-Time Workers					Full-Time Workers					Part-Time Workers					Full-Time Workers					Establishments		Office		Establishments		Office		Establishments		Office		Establishments		Office	
	Establishments		Non-Office		Office	Establishments		Non-Office		Office	Establishments		Non-Office		Office	Establishments		Non-Office		Office	Establishments		Non-Office		Office	Establishments		Non-Office		Office	Establishments		Non-Office		Office						
Numbers of Establishments and Workers																																									
Mining	8	1582	131	13	6147	999	25	13814	2365	8	5309	1631	29	11334	2457	3	400	72	231	49618	5165																				
Manufacturing	11	2883	510	120	18742	5698	72	95543	29140	364	221339	62905	616	373047	103042	95	26603	8532	5854	391293	82686																				
Transportation and Communication	1	233	52	3	5114	1259	11	17717	1791	18	18701	6236	25	24199	7451	7	6308	3249	812	61332	14702																				
Public Utilities	1	132	19	3	181	199	32	8819	7631	20	8206	6783	39	10522	8103	2	850	—	—	148	13703	6520																			
Trade	1	9	4	18	912	464	11	8638	5661	27	11129	3398	65	18804	19365	15	8818	4119	2848	108276	45029																				
Finance	2	8	592	1	—	60	4	—	2906	9	1003	14595	11	1003	26967	2	—	714	40	1518	32489																				
Services	7	2270	100	7	4991	882	8	1131	857	6	1401	280	11	14611	1438	1	12	—	—	1135	72041	12323																			
Other Industries	—	—	—	1	119	3	4	5039	537	1	1706	364	6	1706	1101	—	—	—	—	—	95	1204	924																		
All Industries	31	7117	1108	166	36236	9564	167	150701	53888	453	271794	96192	805	484134	169929	125	42991	16986	11163	709795	199840																				
Percent of Establishments and Workers Surveyed																																									
Mining	2.8	2.2	1.5	4.6	8.5	8.5	11.3	8.8	19.2	26.8	2.8	7.4	18.5	10.2	19.9	27.8	1.1	0.55	0.82	81.3	68.8	58.5																			
Manufacturing	0.16	0.36	0.26	1.8	2.3	2.9	1.1	11.9	11.9	5.1	28.0	32.1	9.2	46.5	52.6	1.4	3.3	4.4	3.3	87.6	42.2	48.8																			
Transportation and Communication	0.12	0.26	0.22	0.36	5.6	5.4	1.3	19.4	20.4	2.1	20.5	26.5	3.0	26.6	31.7	0.82	6.9	13.8	—	96.2	67.3	62.6																			
Public Utilities	0.52	0.54	0.13	1.6	0.74	1.3	16.8	35.9	51.4	10.5	33.4	15.7	20.1	42.9	54.7	1.0	3.5	—	—	77.5	55.8	43.9																			
Trade	0.03	0.01	0.01	0.61	0.57	0.70	0.37	5.4	8.6	0.92	7.0	5.1	2.2	30.6	29.3	0.51	5.5	6.7	6.7	96.8	67.9	68.1																			
Finance	3.6	0.32	0.98	1.8	—	0.10	7.3	—	1.8	16.4	39.7	24.2	20.0	39.7	11.7	3.6	—	1.2	72.7	60.0	53.9																				
Services	0.60	2.7	0.68	0.60	5.9	6.0	0.69	1.3	5.8	0.52	1.7	1.9	1.2	5.5	9.8	0.09	0.01	—	—	97.5	85.8	83.6																			
Other Industries	—	—	—	—	0.98	0.75	0.15	3.9	25.5	26.5	0.28	8.6	17.9	5.9	38.4	54.3	—	—	—	—	93.1	60.8	45.6																		
All Industries	0.25	0.57	0.36	1.4	2.9	2.5	1.4	12.0	11.0	3.7	21.6	21.9	6.6	38.5	44.0	1.0	3.4	4.4	4.4	91.0	56.5	51.7																			

(a) With and without physicians.

TABLE 6C ESTABLISHMENTS AND WORKERS WITH PHYSICIAN AND NURSING SERVICES; NUMBER AND PER CENT, BY SIZE OF PLANT AND SERVICE

Size of Plant	Physicians Only										Physicians With Nurses										No Physician or Nurse									
	Full-Time Workers					Part-Time Workers					Full-Time Workers					Part-Time Workers					Nurses									
	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office	Establishments	Non-Office	Office						
Numbers of Establishments and Workers																														
Under 15	4	37	231	11	71	102	8	78	547	6	61	49	18	176	790	2	20	2	2542	20935	13196									
15 - 49	1	42	3	31	1032	502	17	930	81	23	723	333	40	1621	281	18	592	357	4459	131137	39975									
50 - 99	6	118	57	11	3255	1349	12	793	251	31	2338	2341	53	3902	2380	21	1682	824	2056	142775	33953									
100 - 499	11	3032	232	63	13952	3307	17	13373	3538	196	53224	17700	371	101574	29777	56	11689	2135	3586	290435	61176									
500 - 999	2	1425	68	10	6404	817	32	22387	7157	101	73637	28510	172	119524	40765	15	10445	2752	90	61421	16873									
1000 - and over	2	2163	325	5	11522	2586	35	115440	2896	69	141811	33598	113	251337	64983	8	18563	7752	31	63092	9388									
Unclassified	2	...	492	5	-	901	16	-	13318	24	...	13661	38	-	30953	5	-	2584	399	-	25279									
All Sizes of Plant	31	7117	1108	166	36236	9564	167	150701	53888	153	271794	96192	805	1481134	169929	125	42991	16986	11163	709795	199840									
Percent of Establishments and Workers Surveyed																														
Less than 15 Employees	0.16	0.17	1.6	0.43	0.33	0.71	0.31	0.37	3.8	0.23	0.29	0.34	0.70	0.83	5.5	0.08	0.09	0.01	98.7	98.6	92.2									
15 - 49	0.02	0.03	0.01	0.68	0.77	1.2	0.37	0.69	0.20	0.51	0.54	0.81	0.88	1.2	0.68	0.40	0.44	0.82	98.0	97.6	97.3									
50 - 99	0.28	0.27	0.15	1.9	2.1	3.5	0.55	0.52	0.65	1.4	1.5	6.1	2.4	2.6	6.2	0.96	1.1	2.1	94.4	93.9	85.0									
100 - 499	0.67	0.72	0.21	3.0	3.3	2.3	3.2	3.7	9.1	12.6	18.3	17.8	24.8	30.7	2.7	2.6	2.6	76.1	68.9	63.2										
500 - 999	0.71	0.73	0.11	3.5	3.3	1.1	11.3	11.5	11.9	36.9	37.8	17.5	61.0	61.4	5.3	5.4	4.6	31.9	31.6	28.1										
1000 and over	1.3	0.65	0.42	3.3	3.5	2.3	23.0	34.1	37.5	45.4	42.7	43.4	74.3	76.6	84.0	5.3	5.6	10.0	20.4	19.0	12.1									
Unclassified	0.45	-	0.85	1.1	-	1.6	3.6	-	23.0	5.4	-	23.6	8.5	-	53.4	1.1	-	4.5	89.5	-	43.6									
All Sizes of Plant	0.25	0.57	0.36	1.4	2.9	2.5	1.4	12.0	3.7	21.6	24.9	6.6	38.5	44.0	1.0	3.4	4.4	91.0	56.5	51.7										

(a) With and without physicians.

IV. NUMBERS OF PHYSICIANS AND NURSES EMPLOYED

Nearly 1,000 physicians and just over 1,500 nurses were employed in the establishments reviewed. (1) These 2,479 persons were employed in 1,102 establishments, or an average of 2.2 each. About 72 per cent of physicians and 9 per cent of nurses were employed on a part-time basis. The summary appears in Table 7 and the distribution of employed physicians and nurses by province, industry, and size of plant in Table 8.

TABLE 7 PHYSICIANS AND NURSES: NUMBER OF EMPLOYING ESTABLISHMENTS AND NUMBERS EMPLOYED

	Number of Establishments Employing					Numbers Employed
	One	Two	Three	Four or More	Any	
Physicians:						
Full-time....	147	31	17	3	198	272
Part-time....	549	57	7	5	608	704
Total	(a)	(a)	(a)	(a)	(a)	976
Nurses:						
Full-time....	542	117	58	88 ^(b)	805	1,364
Part-time....	116	6	1	2	125	139
Total	(a)	(a)	(a)	(a)	(a)	1,503
Physicians and Nurses:						
Full-time....	(a)	(a)	(a)	(a)	(a)	1,636
Part-time....	(a)	(a)	(a)	(a)	(a)	843
Total	(a)	(a)	(a)	(a)	1,102	2,479

(a) Unduplicated totals not available.

(b) Includes 26 establishments with 4 nurses and 62 with 5 or more.

(1) The number of physicians and nurses employed is open to a margin of error since in certain firms, one doctor or nurse may service two or more establishments. Hence some duplication of persons may be inherent in the total figures.

TABLE 8 NUMBER OF PHYSICIANS AND NURSES EMPLOYED BY PROVINCE, INDUSTRY, AND SIZE OF PLANT

	Physicians Employed			Nurses Employed			Number of Employing Establishments	Employed Physicians and Nurses	
	Full-time	Part-time	Total	Full-time	Part-time	Total		Number	Per Establishment
Province:									
Newfoundland.....	12	7	19	16	-	16	7	35	5.0
Prince Edward Is...	-	-	-	-	-	-	-	-	-
Nova Scotia	6	13	19	30	2	32	26	51	2.0
New Brunswick	5	7	12	15	8	23	21	35	1.7
Quebec.....	92	249	341	429	37	468	364	807	2.2
Ontario	124	355	479	743	70	813	556	1,292	2.3
Manitoba	5	16	21	37	7	44	25	65	2.6
Saskatchewan	-	5	5	7	1	8	10	13	1.3
Alberta	6	17	23	32	1	33	32	56	1.8
British Columbia ..	20	32	52	52	13	65	57	117	2.1
Yukon & Northwest Territories	2	3	5	3	-	3	4	8	2.0
Canada	272	704	976	1,364	139	1,503	1,102	2,479	2.2
Industry:									
Mining	35	31	66	51	3	54	53	120	2.3
Manufacturing	110	532	642	959	104	1,063	830	1,705	2.1
Transportation and Communication....	18	23	41	40	11	51	32	92	2.9
Public Utilities...	55	36	91	122	2	124	43	215	5.0
Trade	19	49	68	123	15	138	93	206	2.2
Finance	12	12	24	15	2	20	15	44	2.9
Services	19	18	37	37	2	39	29	76	2.6
Other	4	3	7	14	-	14	7	21	3.0
All Industries	272	704	976	1,364	139	1,503	1,102	2,479	2.2
Size of Plant:									
Under 15 Workers ..	19	20	39	33	4	37	34	76	2.2
15 - 49	20	57	77	73	18	91	90	168	1.9
50 - 99	21	75	96	86	22	108	121	204	1.7
100 - 499	75	282	357	484	60	544	497	901	1.8
500 - 999	52	131	183	301	19	320	192	503	2.6
1000 and over	54	106	160	316	11	327	121	487	4.0
Unclassified	31	33	64	71	5	76	47	140	3.0
All Sizes	272	704	976	1,364	139	1,503	1,102	2,479	2.2

Examination of Table 8 reveals that employed physicians and nurses were found most often in Ontario and Quebec, that they were concentrated in the manufacturing industry, and that plants with 100 or more employees employed the largest number.

The average of 2.2 physicians and nurses per establishment would suggest that many plants that employ physicians, nurses, or both, employ at least two persons, in various possible combinations. This is borne out by examination of the last column of Table 8 in which an average of less than two persons occurs only in Prince Edward Island, New Brunswick, Saskatchewan and Alberta, no average less than 2.0 in any industry, and three averages less than 2.0, but close to it, in plants with from 15 to 500 employees.

From Tables 6 and 8 the following data are derived.

	Number of Employing Plants	Persons Employed	
		Total	Average Per Plant
Full-time Physicians	198	272	1.4
Part-time Physicians	619	704	1.1
Full-time Nurses	805	1,364	1.7
Part-time Nurses	125	139	1.1

As the employing plants are not exclusive, the unduplicated total being 1,102, the overall average of 2.2 employed persons is not surprising.

APPENDIX I

Question 12 of Survey of Working Conditions, April 1, 1954

12. Industrial Medical (Occupational Health) Services -

Note: This question is concerned only with industrial medical programs which provide, within the establishment, the services of any of the following: Full-time physician, part-time physician, full-time registered nurse, part-time registered nurse. It is not concerned with personnel who are merely on call.

(1) Is such an industrial medical (occupational health) service provided? (Yes or No)

(2) Please indicate below the people employed in this service:

Occupation	Full-Time	Part-Time	
	Number	Number Employed	Hours Worked per Month
Physicians			
Registered Nurses			
Others (Please specify)			
.....			

(3) Please indicate below the functions of the service:

Function	Yes or No
(a) Pre-placement medical examination (pre-placement)	
(b) Periodic medical examination (Indicate how frequent).....	
(c) Emergency care in the establishment for occupational accident or illness	
(d) Emergency care in the establishment for non-occupational accident or illness	
(e) Home visits by nurse	

PUBLICATIONS IN THE SOCIAL SECURITY
AND THE GENERAL SERIES

Research Division,
Department of National Health and Welfare

I. SOCIAL SECURITY SERIES

- * Memorandum No. 1. Mothers' Allowances Legislation in Canada. 1st ed. May 1949, 2nd ed. January, 1955, pp.
- * Memorandum No. 2. Old Age Income Security in New Zealand. March 1950. 41 pp.
- * Memorandum No. 3. Old Age Income Security in Australia. March 1950. 31 pp.
- ✓ Memorandum No. 4. Old Age Income Security in Great Britain. March 1950. 84 pp.
- ✓ Memorandum No. 5. Old Age Income Security in the United States. March 1950. 76 pp.
- ✓ Memorandum No. 6. Old Age Income Security in Selected European Countries. (Denmark, France, Sweden, Switzerland). March 1950. 83 pp.
- Memorandum No. 7. Social Security in Australia.
- ✓ Memorandum No. 8. Health Insurance in New Zealand. October 1950. 88 pp.
- * Memorandum No. 9. Health Insurance in Denmark. (Revised) March 1952. 67 pp.
- * Memorandum No. 10. Health Insurance in Sweden. January 1952. 76 pp.
- * Memorandum No. 11. Health Insurance in Great Britain, 1941-48. March 1952. 163 pp.
- Memorandum No. 12. Health Insurance in Norway. Est. 60 pp.
- Memorandum No. 13. Health Insurance in the Netherlands Est. 65 pp.
- * Memorandum No. 14. Government Expenditures and Related Data on Health and Social Welfare 1947 to 1953. 2nd ed. June 1955. 84 pp.
- * Memorandum No. 15. Selected Public Hospital and Medical Care Plans in Canada. July 1955. pp.

II. GENERAL SERIES

- ✓ Memorandum No. 1. Survey of Dentists in Canada. 2nd ed., January 1949, 45 pp.
- * Memorandum No. 2. Survey of Physicians in Canada. 3rd ed., Sept. 1948, 4th ed., Sept. 1949, 5th ed., June 1951, 6th ed., April 1955, 36 pp.

- * Memorandum No. 3. Survey of Welfare Positions: Report April 1954. 182 pp. and appendices
- * Memorandum No. 4. Voluntary Medical Care Insurance: A Study of Non-Profit Plans in Canada, April 1954, 85 pp.
- * Memorandum No. 5. A Study of the Functions and Activities of Head Nurses in a General Hospital. May 1954, 140 pp.
- * Memorandum No. 6. Mental Health Services in Canada, July 1954, 207 pp.
- * Memorandum No. 7. Changes and Developments in Child Welfare Services in Canada, 1949-1953. October 1954, 33 pp.
- * Memorandum No. 8. Survey of Welfare Positions, Summary of Report. May 1955. 34 pp.
- * Memorandum No. 9. Voluntary Medical and Hospital Insurance in Canada. August 1955. pp.
- * Memorandum No. 10. Hospitals in Canada. September 1955. pp.
- * Memorandum No. 11. Tuberculosis Services in Canada. July 1955. 65 pp.
- * Memorandum No. 12. Health Care in Canada Expenditures and Sources of Revenue, 1953. August 1955, est. 25 pp.
- Memorandum No. 13. Occupational Health Services in Industry in Canada, 1954. June 1956. pp.

III. OTHER PUBLICATIONS

Bulletins prepared in collaboration with other Divisions of the Department or other agencies.

- * Survey of Nursing Personnel in Manitoba, October 1952, 59 pp.
- * A Suggested Methodology for Fluoridation Surveys in Canada, July, 1952, 51 pp.
- * Dental Effects of Water Fluoridation, 1954 Report, August 1954, 33 pp.
- / Rehabilitation of Disabled Persons. Background Data for the National Conference on Rehabilitation, Toronto, Feb. 1 - 3, 1951, 135 pp.
- * Social Security Expenditures in Australia, Canada, Great Britain, New Zealand and the United States 1949-50 - A Comparative Study, February, 1954, 42 pp.

Canadian Sickness Survey

V Special Compilation: No. 1. Family Expenditures for Health Services (National Estimates), May, 1953, 13 pp.

V Special Compilation: No. 2. Family Expenditures for Health Services by Income Groups (National Estimates), July, 1953, 12 pp.

V Special Compilation: No. 3. Family Expenditures for Health Services by Expenditure Group (National Estimates), September, 1953, 56 pp.

V Special Compilation: No. 4. Family Expenditures for Health Services (Regional Estimates), January, 1954, 23 pp.

V Special Compilation: No. 5. Volume of Sickness (National Estimates), April, 1954, 24 pp.

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